SEQUENCE LISTING

<110> Elixir Pharmaceuticals, Inc. <120> SIRT1 AND GENETIC DISORDERS <130> 13407-039W01 <150> US 60/484,327 <151> 2003-07-02 <160> 3 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 4107 <212> DNA <213> Homo Sapiens <220> <221> CDS <222> (54)...(2297) <400> 1 56 gtcgagcggg agcagaggag gcgagggagg agggccagag aggcagttgg aag atg Met qeq qae qaq qeq qee ete qee ett eaq eee qqe qqe tee eee teg geq 104 Ala Asp Glu Ala Ala Leu Ala Leu Gln Pro Gly Gly Ser Pro Ser Ala geg ggg gee gae agg gag gee geg teg tee eee gge ggg gag eeg ete 152 Ala Gly Ala Asp Arg Glu Ala Ala Ser Ser Pro Ala Gly Glu Pro Leu cgc aag agg ccg cgg aga gat ggt ccc ggc ctc gag cgg agc ccg ggc 200 Arg Lys Arg Pro Arg Arg Asp Gly Pro Gly Leu Glu Arg Ser Pro Gly 248 . gag ccc ggt ggg gcg cca gag cgt gag gtg ccg gcg gcg gcc agg Glu Pro Gly Gly Ala Ala Pro Glu Arg Glu Val Pro Ala Ala Arg 296 ggc tgc ccg ggt gcg gcg gcg gcg ctg tgg cgg gag gcg gag gca Gly Cys Pro Gly Ala Ala Ala Ala Leu Trp Arg Glu Ala Glu Ala 75 344 gag gcg gcg gca ggc ggg gag caa gag gcc cag gcg act gcg gcg Glu Ala Ala Ala Gly Gly Glu Gln Glu Ala Gln Ala Thr Ala Ala gct ggg gaa gga gac aat ggg ccg ggc ctg cag ggc cca tct cgg gag 392 Ala Gly Glu Gly Asp Asn Gly Pro Gly Leu Gln Gly Pro Ser Arg Glu cca ccg ctg gcc gac aac ttg tac gac gaa gac gac gac gag ggc 440 Pro Pro Leu Ala Asp Asn Leu Tyr Asp Glu Asp Asp Asp Glu Gly

115 120 125 gag gag gag gag gcg gcg gcg gcg gcg att ggg tac cga gat aac 488 Glu Glu Glu Glu Ala Ala Ala Ala Ile Gly Tyr Arg Asp Asn 135 ctt ctg ttc ggt gat gaa att atc act aat ggt ttt cat tcc tgt gaa 536 Leu Leu Phe Gly Asp Glu Ile Ile Thr Asn Gly Phe His Ser Cys Glu agt gat gag gag gat aga gcc tca cat gca agc tct agt gac tgg act 584 Ser Asp Glu Glu Asp Arg Ala Ser His Ala Ser Ser Ser Asp Trp Thr cca agg cca cgg ata ggt cca tat act ttt gtt cag caa cat ctt atg 632 Pro Arg Pro Arg Ile Gly Pro Tyr Thr Phe Val Gln Gln His Leu Met att ggc aca gat cct cga aca att ctt aaa gat tta ttg ccg gaa aca 680 Ile Gly Thr Asp Pro Arg Thr Ile Leu Lys Asp Leu Leu Pro Glu Thr ata cct cca cct gag ttg gat gat atg aca ctg tgg cag att gtt att 728 Ile Pro Pro Pro Glu Leu Asp Asp Met Thr Leu Trp Gln Ile Val Ile aat atc ctt tca gaa cca cca aaa agg aaa aaa aga aaa gat att aat 776 Asn Ile Leu Ser Glu Pro Pro Lys Arg Lys Arg Lys Asp Ile Asn aca att gaa gat gct gtg aaa tta ctg caa gag tgc aaa aaa att ata 824 Thr Ile Glu Asp Ala Val Lys Leu Leu Gln Glu Cys Lys Lys Ile Ile gtt cta act gga gct ggg gtg tct gtt tca tgt gga ata cct gac ttc 872 Val Leu Thr Gly Ala Gly Val Ser Val Ser Cys Gly Ile Pro Asp Phe agg tca agg gat ggt att tat gct cgc ctt gct gta gac ttc cca gat 920 Arg Ser Arg Asp Gly Ile Tyr Ala Arg Leu Ala Val Asp Phe Pro Asp ctt cca gat cct caa gcg atg ttt gat att gaa tat ttc aga aaa gat 968 Leu Pro Asp Pro Gln Ala Met Phe Asp Ile Glu Tyr Phe Arg Lys Asp cca aga cca ttc ttc aag ttt gca aag gaa ata tat cct gga caa ttc 1016 Pro Arg Pro Phe Phe Lys Phe Ala Lys Glu Ile Tyr Pro Gly Gln Phe 310 cag cca tct ctc tgt cac aaa ttc ata gcc ttg tca gat aag gaa qqa 1064 Gln Pro Ser Leu Cys His Lys Phe Ile Ala Leu Ser Asp Lys Glu Gly aaa cta ctt cgc aac tat acc cag aac ata gac acg ctg gaa cag gtt 1112 Lys Leu Leu Arg Asn Tyr Thr Gln Asn Ile Asp Thr Leu Glu Gln Val gcg gga atc caa agg ata att cag tgt cat ggt tcc ttt gca aca gca 1160 Ala Gly Ile Gln Arg Ile Ile Gln Cys His Gly Ser Phe Ala Thr Ala

tct Ser 370	tgc Cys	ctg Leu	att Ile	tgt Cys	aaa Lys 375	tac Tyr	aaa Lys	gtt Val	gac Asp	tgt Cys 380	gaa Glu	gct Ala	gta Val	cga Arg	gga Gly 385	1208
gat Asp	att Ile	ttt Phe	aat Asn	cag Gln 390	gta Val	gtt Val	cct Pro	cga Arg	tgt Cys 395	cct Pro	agg Arg	tgc Cys	cca Pro	gct Ala 400	gat Asp	1256
gaa Glu	ccg Pro	ctt Leu	gct Ala 405	atc Ile	atg Met	aaa Lys	cca Pro	gag Glu 410	att Ile	gtg Val	ttt Phe	ttt Phe	ggt Gly 415	gaa Glu	aat Asn	1304
tta Leu	cca Pro	gaa Glu 420	càg Gln	ttt Phe	cat His	aga Arg	gcc Ala 425	atg Met	aag Lys	tat Tyr	gac Asp	aaa Lys 430	gat Asp	gaa Glu	gtt Val	1352
Asp	Leu 435	Leu	Ile	Val	att Ile	Gly 440	Ser	Ser	Leu	Lys	Val 445	Arg	Pro	Val	Āla	1400
Leu 450	Ile	Pro	Ser	Ser	ata Ile 455	Pro	His	Glu	Val	Pro 460	Gln	Ile	Leu	Ile	Asn 465	1448
Arg	Glu	Pro	Leu	Pro 470	cat His	Leu	His	Phe	Asp 475	Val	Glu	Leu	Leu	Gly 480	Asp	1496
Cys	Asp	Val	Ile 485	Ile	aat Asn	Glu	Leu	Cys 490	His	Arg	Leu	Gly	Gly 495	Glu	Tyr	1544
Ala	Lys	Leu 500	Cys	Cys	aac Asn	Pro	Val 505	Lys	Leu	Ser	Glu	Ile 510	Thr	Glu	Lys	1592
Pro	Pro 515	Arg	Thr	Gln	aaa Lys	Glu 520	Leu	Ala	Tyr	Leu	Ser 525	Glu	Leu	Pro	Pro	1640
Thr 530	Pro	Leu	His	Val	Ser 535	Glu	Asp	Ser	Ser	Ser 540	Pro	Glu	Arg '	Thr	545	1688
Pro	Pro	Asp	Ser	Ser 550	Val	Ile	Val	Thr	Leu 555	Leu	Asp	Gln	Ala	Ala 560	_	1736
Ser	Asn	Asp	Asp 565	Leu	Asp	Val	Ser	570	Ser	Lys	Gly	Cys	Met 575	Glu	gaa Glu	1784
Lys	Pro	Gln 580	Glu	. Val	. Gln	Thr	Ser 585	Arg	Asn	. Val	. Glu	Ser 590	Ile	Ala	gaa Glu	1832
cag Gln	atg Met 595	Glu	aat Asn	ccg Pro	gat Asp	ttg Leu 600	Lys	aat Asn	gtt Val	ggt Gly	Ser 605	Ser	act Thr	. Gl ⁷ . aac	gag Glu	1880

aaa aat Lys Asn 610	gaa aga Glu Arg	act to Thr Se 61	r Val	gct Ala	gga Gly	aca Thr	gtg Val 620	aga Arg	aaa Lys	tgc Cys	tgg Trp	cct Pro 625	1928
aat aga Asn Arg	gtg gca Val Ala	aag ga Lys Gl 630	g cag u Gln	att Ile	agt Ser	agg Arg 635	cgg Arg	ctt Leu	gat Asp	ggt Gly	aat Asn 640	cag Gln	1976
tat ctg Tyr Leu	ttt ttg Phe Leu 645	cca cc Pro Pr	a aat o Asn	cgt Arg	tac Tyr 650	att Ile	ttc Phe	cat His	ggc Gly	gct Ala 655	gag Glu	gta Val	2024
tat tca Tyr Ser	gac tct Asp Ser 660	gaa ga Glu As	t gac p Asp	gtc Val 665	tta Leu	tcc Ser	tct Ser	agt Ser	tct Ser 670	tgt Cys	ggc	agt Ser	2072
aac agt Asn Ser 675	Asp Ser	GIY Th	r Cys 680	Gln	Ser	Pro	Ser	Leu 685	Glu	Glu	Pro	Met	2120
gag gat Glu Asp 690	Giu Ser	69 69	e Glu 5	Glu	Phe	Tyr	Asn 700	Gly	Leu	Glu	Asp	Glu 705	2168
cct gat Pro Asp	vai Pro	710	g Ala	Gly	Gly	Ala 715	Gly	Phe	Gly	Thr	Asp 720	Gly	2216
gat gat Asp Asp	caa gag Gln Glu 725	Ala II	t aat e Asn	gaa Glu	gct Ala 730	ata Ile	tct Ser	gtg Val	aaa Lys	cag Gln 735	gaa Glu	gta Val	2264
aca gac Thr Asp	atg aac Met Asn 740	tat co	a tca o Ser	aac Asn 745	aaa Lys	tca Ser	tag *	tgt	aata	att	gtgc	aggtac	2317
aggaatto	gtt ccac	cagcat	tagga	actt	t ag	cato	tcaa	aat	gaat	att	tact	tatass	2377
Cicgatag	gag caag	gaaacc	agaaa	aata	t aa	tatt [.]	tata	aat	taat	222	atan	a++~++	2437
LLLCatgo	gat aatt	tttaac	ttcat	tatt	t ct	gtac [:]	ttat	aca	aact	caa	cact	220+++	2497
	cta aaaa	aaaaaa	ggtac	taao	t at	cttc	aatc	age	tatt	aat	C22C	20t 220	2557
LLECETET	taa aggt	tcattt	gtatg	ataa	a tt	cata	tata	tat	atat	a a +	++++	+++~++	2617
ttgtctag	grg agrr	tcaaca	ttttt	aaag	t tt	tcaa	aaag	cca	tcgg	aat	gtta	aattaa	2677
tgtaaagg	gga cago	ctaatct	agacc	aaag	a at	ggta [.]	tttt	cac	tttt	ctt	tgta	acattg	2737
aatggttt	ect agea	ttttcc	2222	tata	g ct	aaac		gat	tctt	taa	caca	attatt	2797
gcagtgtg	gag taga	aggaag	tcaac	aata	y ca	gara	acet	CCC	aaaa +~~~	tct	caaa	tgacat	2857
Ladaagta	aat actt	ggtgct	aagaa	tttc	a gg	atta	ttat	att	tacq	ttc	222t	4 - 2 - 2	2917 2977
ggetttt	gta cttc	ctgtgg	acato	tagt	a at	atct.	atat	taa	ctca	taa	aact	a a cot o	3037
aaaaacaa	aat aaat	gctttq	gaaat	attt	c ag	ttac	ttta	gaa	acat	tar	+ 000	taaata	3037
gateceet	ita giti	tgaaat	atttq	ccat	t at	tatt	taaa	tac	ctat	Cac	tata	ntanan	3157
CLLGCatt	tga tott	ttccac	aagta	ttaa	a ct	gcca.	aaat.	ata	aata	tac	2224	cattta	3217
rgaateta	ata ataa	itggtac	ttcta	ctaa	o oa	gagt.	gtaa	tat	+++~	a c	+ ~~+	a+++a	3277
cattaate	yay yaga Tag coac	ycaaca	ggccc	ctga	t ta	taca	gttc	caa	agta	ata	agat	gttaat	3337
tgtaatto	cct agts	ittatoo	agato	2225	t at	tggg	ayga at	てても	ggtg ~t	tta	aata	ccaaac	3397
aatgaat	gaa acta	gttctt	ataat	ttat	c tt	tatt	yrad taas	370	yıaa tt=~	cag	caga	atagtt	3457
Lagagato	caa cttt	ctcage	tgcaa	aaac	t tc	tagt	cttt	caa	ma a m	++0	2+20	+++-+-	3517 3577
aaallgca	aca gtaa	igcattt	atttt	tcaq	a cc	attt	ttaa	aca	tcac	too	+	+++-	3637
aaytatt	cct ctqt	tgcttt	agtat	ttat	t ac	aata	aaaa	aaa	+++~	222	+-+-	~~+~+~	3697
Cultatge	cat aaaa	caccca	gctac	rgacc	a tt	acto	CCAC	ana	2222	2 2 t	aa+ -	++~+	3757
ggccatt	ccc ctac	ctataa	gatgt	ctca	a tc	tgaa	ttta	ttt	ggct	aca	ctaa	agaatg	3817

3937

3997

4057

4107

```
cagtatattt agttttccat ttgcatgatg tttgtgtgct atagatgata ttttaaattg
aaaagtttgt tttaaattat ttttacagtg aagactgttt tcagctcttt ttatattgta
catagicttt taigtaatti actggcatat gittigtaga cigittaatg actggatatc
ttccttcaac ttttgaaata caaaaccagt gtttttact tgtacactgt tttaaagtct
<210> 2
<211> 747
<212> PRT
<213> Homo Sapiens
<400> 2
Met Ala Asp Glu Ala Ala Leu Ala Leu Gln Pro Gly Gly Ser Pro Ser
                                   10
Ala Ala Gly Ala Asp Arg Glu Ala Ala Ser Ser Pro Ala Gly Glu Pro
                               25
Leu Arg Lys Arg Pro Arg Arg Asp Gly Pro Gly Leu Glu Arg Ser Pro
                           40
Gly Glu Pro Gly Gly Ala Ala Pro Glu Arg Glu Val Pro Ala Ala Ala
                       55
Arg Gly Cys Pro Gly Ala Ala Ala Ala Leu Trp Arg Glu Ala Glu
Ala Glu Ala Ala Ala Gly Gly Glu Gln Glu Ala Gln Ala Thr Ala
                                   90
Ala Ala Gly Glu Gly Asp Asn Gly Pro Gly Leu Gln Gly Pro Ser Arg
                               105
Glu Pro Pro Leu Ala Asp Asn Leu Tyr Asp Glu Asp Asp Asp Glu
                           120
Gly Glu Glu Glu Glu Ala Ala Ala Ala Ala Ile Gly Tyr Arg Asp
                       135
                                           140
Asn Leu Leu Phe Gly Asp Glu Ile Ile Thr Asn Gly Phe His Ser Cys
                                       155
Glu Ser Asp Glu Glu Asp Arg Ala Ser His Ala Ser Ser Ser Asp Trp
                                   170
Thr Pro Arg Pro Arg Ile Gly Pro Tyr Thr Phe Val Gln Gln His Leu
                               185
Met Ile Gly Thr Asp Pro Arg Thr Ile Leu Lys Asp Leu Leu Pro Glu
                           200
                                               205
Thr Ile Pro Pro Pro Glu Leu Asp Asp Met Thr Leu Trp Gln Ile Val
                                           220
Ile Asn Ile Leu Ser Glu Pro Pro Lys Arg Lys Arg Lys Asp Ile
                    230
                                       235
Asn Thr Ile Glu Asp Ala Val Lys Leu Leu Gln Glu Cys Lys Lys Ile
                245
                                   250
Ile Val Leu Thr Gly Ala Gly Val Ser Val Ser Cys Gly Ile Pro Asp
                               265
Phe Arg Ser Arg Asp Gly Ile Tyr Ala Arg Leu Ala Val Asp Phe Pro
                            280
Asp Leu Pro Asp Pro Gln Ala Met Phe Asp Ile Glu Tyr Phe Arg Lys
                        295
Asp Pro Arg Pro Phe Phe Lys Phe Ala Lys Glu Ile Tyr Pro Gly Gln
                    310
                                       315
Phe Gln Pro Ser Leu Cys His Lys Phe Ile Ala Leu Ser Asp Lys Glu
                325
                                    330
Gly Lys Leu Leu Arg Asn Tyr Thr Gln Asn Ile Asp Thr Leu Glu Gln
                                345
Val Ala Gly Ile Gln Arg Ile Ile Gln Cys His Gly Ser Phe Ala Thr
                            360
 Ala Ser Cys Leu Ile Cys Lys Tyr Lys Val Asp Cys Glu Ala Val Arg
                        375
                                            380
 Gly Asp Ile Phe Asn Gln Val Val Pro Arg Cys Pro Arg Cys Pro Ala
```

```
385
                    390
                                        395
Asp Glu Pro Leu Ala Ile Met Lys Pro Glu Ile Val Phe Phe Gly Glu
                                    410
Asn Leu Pro Glu Gln Phe His Arg Ala Met Lys Tyr Asp Lys Asp Glu
                                425
Val Asp Leu Leu Ile Val Ile Gly Ser Ser Leu Lys Val Arg Pro Val
                            440
Ala Leu Ile Pro Ser Ser Ile Pro His Glu Val Pro Gln Ile Leu Ile
                        455
                                            460
Asn Arg Glu Pro Leu Pro His Leu His Phe Asp Val Glu Leu Leu Gly
                    470
                                        475
Asp Cys Asp Val Ile Ile Asn Glu Leu Cys His Arg Leu Gly Glu
                485
                                    490
Tyr Ala Lys Leu Cys Cys Asn Pro Val Lys Leu Ser Glu Ile Thr Glu
                                505
Lys Pro Pro Arg Thr Gln Lys Glu Leu Ala Tyr Leu Ser Glu Leu Pro
                            520
Pro Thr Pro Leu His Val Ser Glu Asp Ser Ser Ser Pro Glu Arg Thr
                        535
                                            540
Ser Pro Pro Asp Ser Ser Val Ile Val Thr Leu Leu Asp Gln Ala Ala
                    550
                                        555
Lys Ser Asn Asp Asp Leu Asp Val Ser Glu Ser Lys Gly Cys Met Glu
                565
                                    570
Glu Lys Pro Gln Glu Val Gln Thr Ser Arg Asn Val Glu Ser Ile Ala
                                 585
Glu Gln Met Glu Asn Pro Asp Leu Lys Asn Val Gly Ser Ser Thr Gly
                            600
Glu Lys Asn Glu Arg Thr Ser Val Ala Gly Thr Val Arg Lys Cys Trp
                        615
                                            620
Pro Asn Arg Val Ala Lys Glu Gln Ile Ser Arg Arg Leu Asp Gly Asn
                    630
                                        635
Gln Tyr Leu Phe Leu Pro Pro Asn Arg Tyr Ile Phe His Gly Ala Glu
                645
                                     650
Val Tyr Ser Asp Ser Glu Asp Asp Val Leu Ser Ser Ser Cys Gly
                                 665
Ser Asn Ser Asp Ser Gly Thr Cys Gln Ser Pro Ser Leu Glu Glu Pro
                             680
Met Glu Asp Glu Ser Glu Ile Glu Glu Phe Tyr Asn Gly Leu Glu Asp
                         695
Glu Pro Asp Val Pro Glu Arg Ala Gly Gly Ala Gly Phe Gly Thr Asp
                    710
                                         715
Gly Asp Asp Gln Glu Ala Ile Asn Glu Ala Ile Ser Val Lys Gln Glu
                725
                                    730
Val Thr Asp Met Asn Tyr Pro Ser Asn Lys Ser
             740
                                 745
<210> 3
<211> 60001
 <212> DNA
 <213> Homo sapiens
 atacatgact cattatgttt ctatttgaca acatttttgt atacattgag ctacatctgg
                                                                        60
 aatttcaagg ttttgagaaa aatatattca aggtacttga taagataaaa taattttatc
                                                                       120
 aaaaactttg tgttgtatag aatttaacaa tatttaatat cccccaaact tccttaaaca
                                                                       180
 aggtgcctct aatagaagaa aattaggtac agctaatggt tggtaagtct tgccaaactt
                                                                       240
 ctcacaaact gagaaaatga atgactctaa tgactgagta aaaatccttt tgaaagtaag
                                                                       300
 gtagtttcca gttatttgct ttccaaaagc caaaggagaa actaatcaaa ttgtcagcta
                                                                       360
 ataggtcatt aaagacaatt tttgaagaca gaaaattatg tgatttttgg catataactg
                                                                        420
 gaaagtttga agaattgagt gacatagttg tagcaaaatt ccctccactt tatatatgtg
                                                                        480
 aaacaaggtt tttcacagct gattgatgct gagcctgtct cattctagta atgactaata
                                                                       540
```

ttcatttaca	cacacttaaa	ttaattttaa	aaaattattt	atttattta	ttattattat	600
	acccqaqac	uudul FFFAC	TOTTOTOGOG	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1	660
		CULCI PETER	Carretossa			720
000949444	LAAAACCACA	uulucccaac	2002100000	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		780
						840
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<b>yourcoudad</b>	LLUCI.OOGAT	Tacaddad+~	~~~~~		900
						960
- agaaacaac	gaacaccaca	LLddLUEFAF	TTTGGGGGGGG	+~+	1	1020
	June	uaaalali FF	Taacactcac	~~~~~		1080
we e e e e e e e e e e	aaaqatattt	LLLLATAGEA	Manaamtate.	~ <del>+ ~ + ~ + + -</del>	•	1140
						1200
gagacqqa	9	ullucceann	TTACACTACA	~~~~		1260
						1320
		Caccaaacra	arrrrrat +	++++	1	1380
o o o o o o o o o o o o	geougectuu	CCCCCaacro	CTGACCTCAC	2+~2+aaaaa		1440
		auucaloane	CCCTCTCTCC	~~~+~~+		1500
atcaaacatt	tatcttgtat	otgeagttaa	aaaattatcc	aaggtagaca	actccagtct	1560
teettataet	taaggaagaa	tattactet	aaaacagaag	agaaggaaac	actttccaac	1620
taaaactaca	ttttagtctg	accentents	ataccaaaac	aagagaaaga	tataagaaat	1680
tcaaattgaa	gatcaatgtc	accyatyate	atagatacaa	caatcttcca	caaaatatta	1740
caattagtgg	tctgatggga gctaggcatg	ataactcag	adatgcaagg	ctaactcaac	attcgaaaat	1800
gcaggaggac	tggttgagcc	caggactttg	agagagaga	cagcactttt	ggaggccaag	1860
gtccctacaa	atataaaaat	tattattatc	attattatta	gggtgacaaa	gcgaaaccct	1920
tctgtcaccc	aggctggagt	acaataacat	gattagaget	crattgaaac	agggtctcac	1980
ccccgggct	Cagaccyctc	LCCCaccrca	CCCT CCT C2C	+-~~+~~~	<b>L</b>	2040
	CCCGGCCaac	alligation	OTTTOOTT+	~++++-++	· · ·	2100
5554444	acgeequua	GUGLALLCEC	aaactcctcc	antan-	<del>_</del>	2160
	addittitiq	attataanra	TOACCTATEC	0200tac-		2220
	ggcacqqtqq	Cacatteerr	OT a carctat	+		2280
5gga	goocaqqaaq	LLUAUUCEAT	accactaacc	+ - + ~ ~ + ~		2340
~~99~~~999	Lyacayayta	avaccetore	TTAAAAAAAA	2220222022		2400
ggccggacgc	ggrggcicat	qcctgtaatr.	ccaccaattt	aaaaaaa		2460 2520
garcacgagg	Lyayyuquu	uuatcatnan	atcaggagtt	00000000		2580
ugg caaaacc	Cigicilla	Ladadataca	aaaattaccc	2001210010	and the second section is a second se	2640
guaceccag	CLACLLYYYA	uuctaaaaca	ggagaattac	++~~~~~+~~		2700
gougegag	Codagatty	uccaltocac	Lecarectar	atasassasa	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2760
TOOOCCACA	ccaaaaaaaa	aaaaaaaaaa	daaddtaatt	02002+++		2820
~agaaaaacc	acacyaccac	CLCAATAGAT	acaaaaaaa	2+++2~~~~~	- 1-1-1	2880
-acceacaac	aaaaactttt	aucaaactan	Taataaaaaa			2940
gaacacccgc	Laaaaaaaaa	aaactaaaac	taaaaaaactt	20200+220		3000
cagigadage	Crygyaccaq	ucacagtggc	tcatacctat	22++0+000		3060
~~9~99~999	ugualcoll	uaucccanna	ULLC33330+	a a a a a a a a a a a		3120
accongrate	Lacaaayatt	aaaaaattag	CCGGGGCataa	tagastags	~ <del></del>	3180
agcacaactg	gaggctgagg	taggaggact	gcttgagcca	aggagttcaa	ggttacagta	3240
gaaagaacta	cactccagcc	rggaaaagag	agtgagacac	tttgtcttaa	aaaagatagt	3300
teceetteaa	atgtttcctc	astastasa	gaacaagata	aggatatctg	ttgtctttac	3360
aggcatgcag	cattgtatga atttgaaaaa	aaccacaacc	agtacaataa	ggcaagaaca	actaaataaa	3420
tccatgtaga	caatttcaaa	gaatctacac	adatytetgt	gttctcagac	aacatgatag	3480
gtaaaattgg	agttaatatt	gaaaaattaat	tatatttata	agaactaata	agtgagttta	3540
aaatgaattt	tttttttt	tgagacggag	tcacactete	aatgatcagt	tagacaagat	3600
tggcgcgatc	teggeteact	gcaageteeg	cctcctccct	traccagge	tggagtgcag	3660
agectectga	graderddda	ctacaddcac	CCCCCCCCC	accessor		3720
cccaycaya	galacquitt	cactatotta	accaddatad	+ -++		3780
garagacaa	CCCCGGCCCC	CCaaadtact	addattacad	~+ ~+ ~ ~ ~ ~ ~ ~ ~		3840
Jugadatga	guullaadu	LLUALTOCAT	adcatootoa	~~~+~~++~~	A 3	3900 3960
- Catatatatt	aaaaactuuc	Laaaatatat		ataaataa		4020
-acguataty	ayytyatyya	Latuterer	TTTTTTATA	++++++++		4020
- oggotttut	Lactaract	uuautucant	aacacastat	~~~~		4140
ctcccaggtt	caagcgattc	tectgeetea	gcctcctgag	taactgggat	tacaggcctg	4200
			_		2539	-200

caccaccata	cttagatast		4.4.			
taggetggtg	cttggctaat	ttttgtattt	ttagtggaga	cagggtttca	ccatgttgat	4260
caggeeggee	Ligadilica	gacctcatga	TCCacccacc	teagestest	2224tastas	4320
gaccacaggt	gtgagccacc	gcgcctggcc	tgtcaattag	ctttttcttt	tttattttt	4380
gagacagage	cergergrate	cacccagget	ggagtgcagt	ggtgcgatct	taactatata	4440
cagcetetge	cicligagta	gctgggacta	caggtgtgta	ccatcacaac	taaataatt	4500
cegeaceece	agtagagagg	gagtttcgcc	atottoocca	acctcatatt	~~~~+~~+~~	4560
ccccaagiga	LCCaccctcc	rcaacctccc	aaagtgctgg	rattatarat	atanna	4620
gradecagee	ayccccaaca	attttdaada	adaadaaaa	Cacteggggg	a+~~~~	4680
	aagatttagt	ataaadctac	acaatcaaca	carcatarar	00000000	4740
- ggocoacgc	Ctataatttt	aucactttco	daddccdadd	Cacacacata	202200-	4800
gagaacaaga	ccarcergge	caacatooto	aaaacccotc	totactasas	2+2022224	4860
- accegggea	Lyguyguqua	Cucctutage	Tecadetact	Caddadata	2 cct	
~ cogcccgaa	CLYGGGGGG	quaquettaca	acaaactaaa	atcrarctar	+ ~ ~ ~ ~ ~ ~ ~	4920
catggtgaca	gagtgagact	ctatctcaga	2222222222	accgagetae	rycactccag	4980
gggtagtact	gtgttggtga	aaggatagac	atttqcatca	2+0022020	adadadaca	5040
gaaggggacc	tacggaagca	tgaggaattg	attttt	tttttt	atagagtcca	5100
acqqtqtcac	ccaggctgga	atacaataat	accettetet	cttttttgag	arggagtete	5160
ccaggttcaa	gcgattctcc	taceteaga	ttaataataa	ctcactgcaa	cctcctcctc	5220
acacccaget	gcgattctcc	tttttagtag	Trectagtag	ctgggactac	aagtgccacc	5280
atcccgaget	aatttttgta	tattageag	agacggggtt	tcaccatatt	ggccaagctg	5340
adcatasacc	cctgacctcg	rgitecacea	gcctaggcct	cccaaagggc	tgggattaca	5400
cctgtactcc	acagegeeeg	acctadact	acaaaaatta	tccagatgtg	gtgatgggtg	5460
aggtageet	cagctactcg	ggggetgag	gcaggagaat	cacttgaacc	agggaggcag	5520
- sycageage	gagecaagee	Cucuccacto	Cactacaacc	taaaatstas		5580
- 5	uuuuyaaaaa	Ladadillec	adaaddaaaa	CC====	+-+	5640
	gradadirect	acacacaaa	TCAACACTA	22++02+22		5700
	gatettatt	aatataaaa	.acrreracet	addagaaaa+~	~~+~~	5760
J	ou o c c c q q q a	uuccaaaaca	UUCAGATCAC	CT C3 CC+ C3 C	~-~++	5820
goodage	caacacqqcq	aaattccata	TCTACTAAAA	CC2C22222+	+	5880
-55-599599	cayciglaat	CCCauctace	Caddaddctd	aractrara	7+ ~~~~+~~-	5940
aggaggc	ggaggetuda	LLLAUCCGAG	arcacccac	+~~~~		6000
Juguguc	Locycollaa	aacaacaaca	ataragaaaa	Cttctcctct	~~~~~~	6060
J	~~cgaaagat	aayutudaut	CUUUGAGAAA	Tatttacaaa	+ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	6120
y	ccccccaga	atatatadaa	aacaraacac	CCCCCCCCCC	~~~+~~	6180
-3	acaccccggg	aqqctgagge	gggcagatca	casaatasaa	202+00000	6240
	uucucyytaa	aacccccccc	CTACTAAAAA	T20222222	++	6300
5-55-59-4	gegeetgeag	LCCCAGCTAC	TTGAGAGGC	TECTOS COS	~ ~ + ~ ~ ~ ~	6360
	- cyaayy c cyc	autuauccua	gatededeca	Ctaccatta	aaat aaat aa	6420
ga-ega-ga	occurry cocca	aaaaaaaaa	aaaaagaaaa	Casaacataa	220202000	6480
gaaaca	gereegger	Licadereaa	addaddccaa	antaceacht.	+ <+ + < +	
ttccgaatcc	gggttcatcc	cacaccagcc	geetecacea	taccaccaa	gttcgacccc	6540
	aaguuquata	CCLGaggtor	accoggaggta	2201000100	~~~++	6600
ctggccccca	agatcggccc	cctagateta	tetecaaaaa	aggeeggege	tgacattgcc	6660
aaggcaacgg	gtgactggaa	adacctasaa	attacagtga	aggreggega	tcagaacaga	6720
caagcccaga	ttgaggtggt	accttctacc	tecaccetaa	CCatcaacac	cctcaaggag	6780
ccaccaagag	acqqaaaqaa	acagagaaac	attasacaca	ccarcaaay:	cacttttgat	6840
gagatcatca	aggttgctcg	acagatacaa	Caccaataca	tagggaatat	actctctgat	6900
accattaaag	agatectogo	gactgcccag	teteteeest	cagecagaga	tggccgccac	6960
tctcatgaca	tcatagatga	catcaacag	Cacacadacc	graargitga	caacaaaaaa	7020
aaaaagaggg	agaaaaaaaa	aagtettagt	gacaaaycaa	gactecatet	caacaaaaaa cagtggcacg	7080
atcttggctc	actocaacct	cctcctccct	gattanata	ggerggageg	cagtggcacg	7140
tgagtagctg	tgattacaga	tacccaccac	ggttcaagtg	atteteetge	ctcagcctcc	7200
gagacggagt	tttaccatat	tagacaaaaat	catgeeeage	taatttttgt	atttttagta	7260
getegeeteg	acctcccasa	atactacast	ggccccgaac	tcctgacctc	aagtgatttt	7320
ttttgatgg	tgaaaactga	catttaggat	tacaggccgt	gcctggccag	ttccttacta	7380
tgagg++++=	caactttcst	atattta	cayyttaatg	catagttgtg	tatttatgag	7440
actcttcatt	toosactace	atotecata	gccacttgtg	rcctattttc	tgtgaactga	7500
adaggaatt	tatotttato	TotalCaatCt	ctttcttact	gattaatgag	agtcctttat	7560
uaayyaaata	Latellate	atactotaca	atamamttaa	~++~~++~~~		7620
- cyclyalaa	adaccaatgt	gaaaatcact	- cctctactac	tetaceacat	3 C C C + + + -	7680
~-aaaagcet	gecellicat	lecettagga	accttcctca	tttagaggg	aaa+aa++	7740
- Lacitage	alaluuttua	aattttagge	Cagtgtttct	030001+~~		7800
erriggetgg	acaactattt	gttgtagatg	gctgttttct	agatttctag	accgtttagc	7860
			•		_	-

220200tt~	~~++-+					
ctacacccccc	gcttctatct	gctggatgcc	agcagtacat	ccttctccca	ggtgtgacaa	7920
ocugaaaagt	curyaaalg	tcaaatgtcc	tctaggggat	adsadadess	2+ 2+ 22 22 2+	7980
rgugaaccac	Lyalutayyi	llatatacto	Ctaataaaa	acaaactaaa	+	8040
geetatttgt	Latagitiqq	aaatttcaca	cadefeeeea	aataatatt	~-+	8100
agaaccccaa	guttugutgg	aaaqtacaac	atttgtcttt	taacctcctc	33333	8160
aucuggcaga	aggatgeett	uauqtcagga	atttaaaacc	aacctaaaaa	20212	8220
accedatete	tattaaaaat	llaaaaatta	accaaatata	ataataaata	~~+~+~	8280
~gocucciag	yayyctyaau	Luaduattac	TTGAACCCAC	~~~+++~~~~		8340
	Lycyclactu	Cactecance	Taddcaacat	20t220+	A 4 - 4 - 5	8400
	acticaaatt	acuadadadi	adcarctott	222tatata		8460
5-accetata	acgaayayac	quadacaat	aaagreagee	aactootooo	~~~+~~~~	8520
9-99949994	caccagaget	Caadddctad	cactcaactt	aceatteans	222222	8580
	LLaaallicc	uaaaaaaarr	CTCattttaa	t > > + ~ + ~	***	8640
addiagitat	taatytytee	tcaaccctcc	catctatata	Cagggggggta	224 22 22 22 22 22 22 22 22 22 22 22 22	8700
goodadacgc	Laacattttu	alalumaacr	TOCCATACET	+++~+~~~~	L _ L	8760
	LLLLLLLLLL	uacadadici	Tactetatas	~~~~~~~~~		8820
-3-3-0-0-04	quicactaca	accucator	CCCAMMETAS	~~~~++	<del>_</del>	8880
	gergggacta	Caddeal.nen	CCACCATACC	~~~~+++	<del></del>	8940
	gggccccact	atuttuucca	aactaatete	202010010		9000
	aggettettaa	aquactaaga	ttacaggcat	GAGCCACCGG	~~~~~	9060
acageegeat	ttatatytag	atatttttc	TTTTTC+++	+++~++++		
~cagggcccc	accectqteq	ccaaggctgg	anthraatha	tagazzatas		9120
accerace	LULYYYULUA	uucagttctc	TTCCCttaca	++	ا بينينينيا المحمد	9180
- oug egegen	ccaccacqcc	LUUCLAATET	TTTTTTTTT	t+++~~~~+~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	9240
g - og - c - c - c	<b>uuccauac</b> ia	Caal oocard	21011000000			9300
ggcccaagcg	account	CLCAUCTTCC	Lagartaacta	arattaaaa	~~+~~	9360
	-uucccccqc	attttauta	uagarggggr	ttcsccctct	+~~+~~	9420
ggtgtcgaac	tctcgacctt	gcaatccgcc	tacttctacc	tecaccycyc	rggtcaggct	9480
aggcgtgagc	caccgtgccc	adcccacacc	taactaattt	ttetachtt	grgggartaa	9540
gggtttcctc	atgttgccca	agetagtete	agactcctcc	gatanata	tatggagatg	9600
ttggcctccc	aaagtgctag	gatcacacat	atazazza	gereaagtag	tetecetgee	9660
atttgtatat	agattttgac	ctaggectag	grgagacacc	gcacctgccc	ttgtatgtag	9720
tttccgaggc	caatgcgggt	gaatcatctc	agetagee	cacgccttta	atcccagcac	9780
aatggtgaaa	ctctatctct	actassasts	aggregggag	ttcaagatca	gcctggccaa	9840
cagtaatece	ctctgtctct	cagagata	caaaaagtag	ccgggcatgg	taacgcatgc	9900
agaggttgca	agetactace	atoggaggerg	aggugggaga	atcgcttgaa	cttgggaggc	9960
ttggtctcaa	gtgagccgag	accycyccac	tgcactccag	cctgggtgac	agcaggagac	10020
agetgagge	aaacaagaaa	tttssssss	aaaaaaaag	acattgacct	aaaaggaaga	10080
ggaagattca	caaaatataa	atattagagt	ttaactgagc	caaagtgaag	atagctgcct	10140
ggaaga ccca	gacccaaqta	alcitudata	Lagacttcac	+ c= co+ co++	~ <del>+</del> ~ ~ ~ <del>+ +</del>	10200
gaaggeee	ttaagtgaaa	aagtgggcgg	ggagtgagcc	aataacaaag	gtatctgtca	10260
gaaacccca		udddaaaacaa	TOSTTSOTOS	++~~~+~+~~		10320
cacagggcgc	agereatage	gictaatata	gcattattgg	2+422++++	++++-++	10380
	cacgetgaag	Calludglaa	arrraradet	20110101000	~~~~~~	10440
agagacgaat	acacaaagtg	qqqaqtaaqt	TCTGTCaccc	accetacact	3030+0000	10500
aaccccggcc	Caciquatic	LUGATETECE	Caddatcaca	+~~+~~+~~~		10560
cocaagcagc	Lyggactaca	gacatagacc	ataacacctd	~~+++++	~	10620
-agagacggg	gereductat	ulladecado	arggrettea	2011111	+	10680
coorgereea	geeteedaaa	gigitagaat	Lacadetata	adccactata	000000+0+0-	10740
egeceegeee	LLatyticion	ttaaacctaa	taatttaaaa	tasatasast		10800
uuuucacccc	Luctuludud	taddcatata	gaggtttaaa	222+22+22+		10860
geacagagae	Coacaccial	aatoccaoca	Ctttaaaaaa	CCSSCCCCCC	+~~~+~~~	10920
ggccaggagc	Ligagacccq	cctqqccaac	acoocoaaac	cctatatata	ataaaaa	10980
gaaaaccagc	- cyggcalggt	ggcacacacc	tataateeea	actattagga	2000+0200+	11040
gggagaaccg	Cityaaccca	qqaqqtqqaq	attacaataa	accasastta	taaaaataa	11100
Geecageeeg	gycaacagag	agagactcca	teteaaaaaa	ココナナナココナナコ	2+2224	11160
acaacaacaa	agggatattt	attaaataag	aaaggacaat	aatocacaca	+++	11220
uccigatit	licacicaca	gegeercaca	Cacactcctc	2222222		11280
	LLCALLETE	atttttttat		2020204040		11340
	- ucucaucuuc	ucualcutor	OT CACTOCA >	Cotcocct-		11400
gualtititi	Luccicadec	ECCCGAGEAG	CTGGGGGGGG	~~~~~~~~~		11460
ggctaatttt	tttgtatttt	taatagagac	ggggtttcac	tgtgttagtc	aggatagtet	11520
			-		~55~~99.00	11020

tgatctggtg	2001001					
traccoacte	acctcgtgat	ccacccgcct	cagcctcccg	aagtgctggg	attacaggtg	11580
- 3 - 3		adilitienta	TTTTTTTATA			11640
JJJ55-C9	grocodaact	CLUACCECAA	GEGATCGACC	taattataa	A	11700
	u cu c y ca caa	LLLddaraaa	TOTTTCCSAS	+++		11760
		atattcroct	Tarraara			11820
	Lycclatilly	auuuuttaaaa	agraatacct	+~~++++	A. A A. A	11880
, 5		uauatuuaar	CTCACTCTCT	Ot 0 2 t 2 2 t 2 t	A 1	11940
,	gooccuc	CCLULATERA	CCC2Ttccc+	+~~		12000
						12060
						12120
	3-3-4-0-40-0	acticione	ararresse	~	A	12180
J . J J J C C		accuador o	CACTCCACEC	~~~~~		12240
	CCCCAGGCCC	aduluarier	COTTCCTCCC	~~+ ~~~ ~	_ 1	12300
						12360
						12420
						12420
						12540
	CACCCCCAA	ulliccorea	TTOTTOTOO			12600
,	goodaccacc	acucclunct	22555555	+ ~ <del>+ + + + + +</del>		12660
	ugocaqqa	CUULCECAAT	CTCCTCAAAA	~~+~~+~-		
						12720
J. J. – – – 99990		LUCCCAGGTT	772777777+	~~~		12780
						12840
						12900
						12960
						13020
		LLLUAUCATA	TTTTDDD###	++ -+ -+		13080
						13140
	cycoacacc	LLALLILITAT	arrrrttast	++-~-+	)	13200
						13260
2	war coudy c	Caclucaarc	TCCCCCtccc	~~~++		13320
						13380
	50000000000	utttutteat	ULLUGGGGGGG	atact		13440
						13500
						13560
cagttttgac	aataacattt	tattagtaga	222727tt	ggatttccat	ttgtgttttt	13620
gtagtcacat	gagactgata	tcagagetat	tagggggatt	tactaactcc	cttactaatt	13680
ttttatttat	tcttattttt	atttttt	cayyccaact	tatttttta	tttattcatt	13740
gagtgcagtg	gegegateee	acctcactag	agatagagee	tcactctgtc	gcccaggcca	13800
cctgcctcaa	gegegatece	agetege	aageteegee	teetgggtte	acgccattct	13860
ttttgtattt	cctcccgagt	Caaaatttaa	acaggegeee	gccaccacac	ccggctaatt	13920
gacctcgtga	ttagtagaca	tagagetera	ccgtgttagc	caggatggtc	ttgatctcct	13980
gtacttaaca	tccacccgcc	ttaacttace	aaagtgetgg	gattacaggc	gtcagccacc	14040
						14100
tagagtagaa	tttttttt	tazaatazat	gagacagagt	ttcactcttg	ttgcccaggc	14160
ctcccatctc	tggcactgtc	ctaggicact	gcaacctcca	cctcctgagt	tcaagcgatt	14220
tttttgtatt	agcctcccga	graycrygga	ttacaggcgc	atgccaccac	tctgggctaa	14280
tgacatcagg	tttagtggag	acgyggttac	atcatactgg	tcaggctggt	ctcgaactcc	14340
Cacagegeet	tgatccgccc	ttaattatt	cccaaagtgc	tgggatttat	aggcgtgagc	14400
						14460
gcatactgca	ttgtgtttgt	cycaatacaa	tttctgtttc	tcatttatcc	tacctgaaaa	14520
						14580
						14640
						14700
						14760
						14820
						14880
						14940
						15000
						15060
						15120
-yegateteg	gctcaccgca	acctctgcct	gctgggttca	agcgattctc	ctgcctcagc	15180

cttctgagta	gctgggatta	caddcatdtd			A	
gtagagacgg	ggtttctcca	caggcatgtg	actactactes	eggetaattt	tgtattttta	15240
ctatecacet	caacetecea	tgttggtcag	attacae	aactteegae	ttcaggtgat	15300
ggttttaagt	cccacataca	aagtgctggg	attacaggca	gcagccaccg	cgcccagcca	15360
acqcaaccaa	agatogtttt	ttagctattt	greetaarge	tetecetece	cttgaccccc	15420
tagtggtgac	cagatgaaat	aaggetteta	gyactggaga	tgattacttt	cagaaatgaa	15480
cagcttttta	ttttttattt	aagacttttg	gatgtagata	ggaccttagc	gatatatttc	15540
acgcaggtaa	ttgatggagt	taaggatgaa	gaaacagett	taagttggtt	gcctaaagtc	15600
taaactcota	dagatgcagt	atggccagaa	cccatactag	gcttaaggga	cagtgtacca	15660
aaacactggg	totagateta	aaacagatag	aaacgctgtg	ctccaggcag	atgccataac	15720
atcacagtat	accagaecta	ccatgggtta	tatgggtcct	tagttaagat	tagatatgga	15780
ttgaactact	acctaccct	cagggagaga	ggaaagtgga	agggctttcc	actaagcctt	15840
taaaatactt	attaccattt	cgttttacat	ctggttatct	catttaaatc	tatgacgttt	15900
tcaccctaca	3300330030	aagacatgag	aaaaattaag	tttagaaacg	gctagatagc	15960
tcatttcctt	cccatactat	tccaaatttt	aaccaagggc	agatgtgcat	ggaggccaag	16020
gaggcccgga	agaagaatt	catactgacc	caacaaaccc	attctgcacg	tgagaaaact	16080
gactaatete	Caaacctcca	cacacacgtt	rgaagccaag	ctggggccag	aaagtagatc	16140
tttacaatgt	ataccaccct	cgtcaaaggt	cttcccagga	ggacatatgc	cttcaaggat	16200
gagaaaagga	3003003033	acaagtgatg	ggagagaggg	gaaaaaagca	accgactaag	16260
ataggaaaag	aggagcagaa	aaaggagcaa	aagaggagct	gtcagaacgg	tgtgaggaga	16320
atccaacuta	tttcagggag	ttttgcctct	cttcctactt	attaacaaaa	cagaacgact	16380
taaatataca	caagggag	ctaagtctta	gccagcttca	gctgtgtttt	aacccttagc	16440
addacadacc	aaaacttcac	gcaggccagg	tgtacacttc	aggaagacgt	ggaaattccc	16500
agttgagaaa	acaacccgag	ctgttccggc	ggtagtgatt	tgaggtcagt	ttgaaagaga	16560
agaccaccac	ccaccacacac	ggcgaatttg	gctgcactac	acgctcgcca	caaagaggaa	16620
gesteedeeg	accacctana	cgagtgcgct	tccagcccag	gcggagcggt	agacgcaaca	16680
goodogooc	gecacgigae	Cogradique	graatetaae	ccacataaat	aacaaaaaaa	16740
	999990900	argyggeggg	tcacgtgatg	gggtttaaat	ctcccccaca	16800
adccadadad	ggggcgccag	tgccgcgcgt	cgagcgggag	cagaggaggc	gagggaggag	16860
tcccctca	caaccaacaa	gatggcggac	gaggcggccc	tcgcccttca	gcccggcggc	16920
cacaadadac	cadedadada	cgacagggag	gccgcgtcgt	cccccgccgg	ggagccgctc	16980
acaaccccaa	accatasaat	tggtcccggc	ctcgagcgga	gcccgggcga	gcccggtggg	17040
acactataac	agegegagge	gccggcggcg	gccaggggct	gcccgggtgc	ggcggcggcg	17100
acasctacaa	caataaaa	ggcagaggcg	gcggcggcag	gcggggagca	agaggcccag	17160
5-5-0-6-6-6	cggctgggga	aggagacaat	adaccaaacc	tacadaaccc	ateteggggg	17220
asaacaacaa	Caacaacat	tacyacgaa	gacgacgacg	acgagggcga	ggaggaggaa	17280
gcatctcctc	ctccctctcc	coggracega	ggtgcgcagg	gtgcgggcgg	ccggaactgc	17340
tcaaaaceaa	ctcccccccc	ttaaattaa	actggcctga	ggttgagggc	ggctgggggc	17400
	occuguaça		Caccccaacc	Ctccattcsa	~~~~~	17460
aacccaccta	ggcccccacc	gcgcgagctg	ccagtggatt	cgctcttttc	ctccgtccgt	17520
ctttaaaata	agtttctctc	ccccccccc	agcagccagg	tcgggagact	ctcgcagtcg	17580
tttttttctt	tttctttatt	ccctcttac	tettttagea	tattgctttt	gttagagctt	17640
ttaagtetge	aacttttacc	ttttattttc	attgettte	tcctctaccc	cccagcacac	17700
ttgacacctg	tacaatttaa	ttttt	ggtctgcgtt	ttcaattgct	ttttgcaaac	17760
tgaaagagga	aagctgtttc	tatagtaga	CLATATUTE	atgactgaaa	ttacaatttt	17820
Ctgaagagat	taccattoto	tacagecaca	gettgeaaaa	tttaaagaac	gtggctgttc	17880
agagetette	atattactt	tattetaate	aggagtgggt	atgggagaga	gagtactttt	17940
aaacatgett	tttttatata	tatetaeta	tractettat	gcggtaatgg	tgtttgggct	18000
tgaaggagat	atottocact	tatgraguar	Lyagacacaa	acttaacact	tctagcataa	18060
ttttgagacg	gagteteget	ctatacatac	cigaaggttt	ctttttttt	ttttttttt	18120
atacaacctc	cacctccac	attanagan	gerggagrge	agtggcgcga	tctcggctca	18180
tacagacac	caccaccac	gcccaaccga	tteteettea	gcctgccgag	tagctgggac	18240
ccatattaac	caddatactc	ttasttatt	anabbant.	ttagcagaga	cggggtttca	18300
aaagtgctgg	gattacacc	atazaasas	yacttcgtga	cccgtccgcc	tcggccgccc tttttgatct	18360
gaggagtttc	tateettest	aggtgttact	gegeeeggte	aggtttctta	tttttgatct	18420
gataactc++	tcatataata	ctaccac+++	gggaggaga	atttgggtca	ggccgggcgc	18480
ctaggagttt	Caddccadcc	taaacaacat	yyyaggccaa	agcgggagga	tctcttgagc	18540
aaaacaaaa	atantatas	acacettte	ayoyayacct	cctctctact	aaaagtaaaa	18600
agctgtgatg	ctaccactac	actocacac	ggggggg	cagagttcga	ggttgcagtg gtctcaaaaa	18660
aaaaaaaaa	aaaaantaat	atatat++++	gygcaacaga	grgagacccc	gtctcaaaaa gaccctgatt	18720
tcaagcaaca	cagttgagta	ctaattta++	atttacetee	rtagtaaaga	gaccctgatt gttattaata	18780
<b>J-</b>	- J = = 3 a g c a		acciaccida	Laataattgt	gttattaata	18840

ctgtttattt	aatagaggaa	acaatgcaga	ggtacttgta	gtattgtgta	agtttaacgt	18900
3-3-0000	auggetatat	LLUdainarm	TTTTTATATA	~ ~ <del>+ ~ + ~ ~ - + +</del>	1 1 1	18960
		Luai i ara	2720277040		1	19020
		LLLLLTAAAA	CCTCCCCC++	~~~+~+	_	19080
						19140
						19200
- 5		uauattiere	Catortocto	~~~		19260
	~ cccqcccac	CLCOOCCECC	C22200+0+0	~~~++		19320
3		uttittaan	アコペコハナナッッチ			19380
						19440
						19500
						19560
						19620
						19680
						19740
atctcggctc	tttgagacag	ccccttcc	rtgttgcgga	ggctggagtg	caatggcgcg	19800
ccagcagctg	accgtaccct	Catatogoa	ggttcaagcg	attctcctgc	ctcagcctcc	19860
agacggggtt	ggattacatg tctccatgtt	antcaggedae	cacgeeegge	taattttgaa	tttttagtag	19920
ccgcctgagc	ctcccaaagt	actagacta	greetgaact	cccgacctca	ggtgatccgt	19980
						20040
						20100
						20160
						20220
						20280
						20340
						20400
						20460
						20520
						20580
						20640 20700
						20760
						20820
	gaaggggt	LLCCCCAACEC	TTCコナナッペット			20880
						20940
J	occacaaa.	uchaacrear	Tacttooooo			21000
- 9	guccicaa	<b>GCCLLLLCCC</b>	CCTTATTATA	~~+ ~~~+ ~+ ~		21060
						21120
	- CC-Gagetuu	alualardac	actotogogg	~ <del></del>		21180
						21240
atggggaggt	tgcaaaaaaa	ttttatagttet	aactggagct	ggggtatgta	agactagtac	21300
ttagaaggat	cgtatatgta ttatccttac	atgataatg	ccttttccaa	gtaggaaaca	tttttctggt	21360
gcagcagttq	ctaaattagt	tcagattttt	arguinggga	actgccaaaa	actgagtgca	21420
						21480
	aaauua	uatucaddda	arrassace a	+~-++++1		21540
	ugaaa c c q q q	Latteerrag	arctttataa	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		21600
		autor contra	202052202		1	21660
	- Gacacac.	ULUOCHACTT	Manatttta			21720
						21780
						21840
- 3 - 3	- Gulacalaa	LULIADAEDA	TCarcacca			21900 21960
- 3 3 9 9	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	adcul aaarr	Caccetecace	~ ~ ~ ~ L		22020
						22020
	ageddeded	LCI CAAAAA	コエグココグココヤモ			22140
						22200
						22260
						22320
						22380
						22440
5	tgatccgcct	geeriggeet	cccaaagtgc	caggattaca	ggcgtgatcc	22500

						•
accgtgcctg	gctatacatt	gttttttta	atgaaaatag	agaattotto	tagtatt	005.55
gtaatagaat	cctaactaaa	ggagcaattt	ctttggaatt	acttctctctct	Datament	22560
cttggctggt	ggagtggctc	atgcatgtaa	ttccagcact	ttaggagggt	aatagaaatt	22620
						22680
						22740
						22800
ccagcctggg	cgtcagagcg	aaactgtcta	aaaaaaaaaa	catgatggca	ccactgcact	22860
tggctcacac	ctgtaatccc	agcactttgg	anaayaaaaa	aaacaaaaag	ccgggcgcgg	22920
gagatcgaga	ccatcttooc	taacataata	gaggetgagg	cctgcggatc	acgaggttag	22980
tcagccagtc	acaataacaa	taacatggtg	acaccccgtc	tctactaaaa	atacaaaaaa	23040
aatggtgtga	acceadada	gcacctgcat	tcccagctaa	tcagtaggct	aaggcaggag	23100
gactggggga	cantatasas	cggagcttac	agtgagccga	gatcgcacca	ctgcactcca	23160
aattetteee	tacttaaaat	ctctgtctca	aaaaaaaa	aaacaaaaaa	aaaaagaaaa	23220
						23280
tatctatatt	accygocaaa	tgcttaaaag	gcttaaaatt	ggcctgactt	aaaaattcct	23340
						23400
						23460
						23520
tagaagattt	aattttacaa	attatgccat	gcacatttta	ggtgtctgtt	tcatataga	23580
taccigactt	caggtcaagg	gatggtattt	atgctcgcct	toctotagac	ttcccacata	23640
ticcagatce	tcaagcgatg	tttgatattg	aatatttcag	aaaagatcca	agaccattet	
						23700
						23760
						23820
aggactatta	tctacttcat	tttaggagtg	agcttatttt	Caaacacata	attactagagg	23880
						23940
caccatataa	aagtaacata	acttgtgatt	tttaatattt	tattacacat	gaggtttgca	24000
						24060
tttgtaatta	gagaatggga	agattcttgg	attacatttt	tatanana	rgaaaaatca	24120
						24180
						24240
						24300
						24360
gatattgggt	taaataaaat	gtattttggg	accaacceg	aattettttg	aaatactttt	24420
agcactttqq	gaggccaagg	tagaagata	artter	tgcctcatgc	ctgtaatttc	24480
agcaacataa	tgagactcca	tgggaggatc tctctacaaa	agrigageee	aggagtttga	gaccagcctg	24540
tgtgcacctg	tagacccatc	cactcactac	tataataata	aaatttgctg	agcatggtgg	24600
agctcaagac	tgagtgaacc	cactcagtag	Letgaggtgg	gaagatccct	tgagctcagg	24660
agtgtttcca	aaatatatat	atgatctgcc atgttttttg	attgcactcc	accctgggca	acagagcaag	24720
						24780
aacctctgcc	teccarette	ccccaggetg	gagtgcaatg	gcatgatctt	ggctcatagc	24840
						24900
caggttggcc	accetact	ccagctaatt	tctgtatttt	tagtagagac	agggtttcac	24960
						25020
ttactaaaca	atttaanett	cgtgagccac	cgcgcctggc	cagttttcac	cttaatgtgg	25080
						25140
						25200
aaacttgga	cttcctgtat	ttcagtcttt	tggaaagaaa	ttacaaaatt	tgttattgtt	25260
						25320
ctccatctct	cagaatgcgc	agatttgtta	acataggtat	acatgtgcca	taataattta	25380
						25440
						25500
						25560
ggitteetgt	tcttgtgtta	gtttgctgag	gatgatggct	tccagcgaag	gagtcttgta	25620
ccagtggctt	tttccccacc	taatcgttag	aagttgtgaa	tagggacttc	tttaatgaat	
ccagaagtta	atgaacctag	ctttttttt	tttttttta	gagacggagt	ctaactatat	25680
treccagget	ggagtgtagt	ggtgtgatct	ctgctcacca	tacaacotoo	acttocco	25740
ıtcaagagat	tctcctgcct	cagcetteeg	agttgttggg	actacannon	catactaca	25800
rgcctggcta	atttttgtat	ttttggtaga	gacggggatt	cactatotto	accaratte	25860
tcttgaactc	ctgaccttgt	ggtccgccca	tctcagcctc	ccaaagtgct	garattara	25920
grgcgaggca	ccgcgccccg	cgccctgccg	atgaacctaa	attttaacta	yyyartacag	25980
ttatctactt	tcagaccatg	tggtatattt	acatgactac	addadasacta	ttaataatt	26040
agaataaatt	atgttactta	aattggcgac	tatattaaa	aaaaaaaataa	tttt	26100
			J	~~aaaaay.ya	ucutttggat	26160

gcagtagete gtgcctataa teccagtget ttgggaaget gagataggaa gatetettga acteeggagt ttgagaceag eetgegeaac acagtgagae eetaateact acaeeeetee 26220 acccatgta actitigtit tatccaggit giggtatatt aaatgggcat tagtgtaaag 26280 tgggaaaatt atattaattc ttgaatatga ttactaaact gaatttgaaa agttttcagg 26340 ctatcaagag aatttttaac ttaaaactta tataatttga actttttact tcatatatcc 26400 gtaatgatga tggtcatcta tatctagctt ttagagcaga caactggttc atacctggat 26460 taaataaata atgtaaagtt atttttgtt aattatggat tagtgaagat ttactgtttt 26520 26580 aacctactcc tgctagtggc actactgcat ggttttgaag accagtgaag tatgacttaa aggtttcttg aattggagct aggacactgg catttataaa atctccacgt agcgcagaca 26640 26700 ttgacactat cagaagacca gcaagtaact agaagttact ttgatcttaa atcaactaca aaaaacttga ctcactagtt atggagaata catttttat tgttaaactg aaaaaaaatt 26760 26820 cagtcactta taaggtgtag cctcttctaa tcctgtttat ataaatttat ttattattat tattttttga gatggagtct tgctctgttg ccaggctgta gtgcattggc gcgatctcgg 26880 ctcactgcat cctccacctc ccgggttcaa gcaattctct tgcctcagcc tcccaagtag 26940 ctgggactac aggcacgtgc catcacgatc agcactttta gtagagacgg ggtttcacca 27000 tgttggcaag gacgtgtctc gtcgtgacct cgtgatccgc ccgtttcagc ctcccaaagt 27060 gttgggatta caggtgtgag ccacaatgtc cagctgataa atttaatttt gctttctga 27120 27180 gttttcattt atggtaatgg ttaaatcagc taggctttac agttgttact cacatataat tetttgteca teetttaatt eteacattgg gaaetgaeta aaaaaagaaa getteeagte 27240 tgggcacagt ggctcacacc tgtaatccca gcactttggg aggccgaggt gggtggatca 27300 27360 cctgaggtca ggagttcaag accagcctgg ccaacacagc aataccccgt ctctaataaa 27420 aaatacaaaa atcagccagg cttgggtggc gggcgcctgt cgtcccagct acgcaggagg 27480 ctgagacggg gagaattgct tgaagccagg aggtggaggt tgcagtgagc cgaaagcgct taaggagaaa taagtaagga caaagagtgc aggatagtat cctgacacgg aggatgggga 27540 gggtatgtaa atattgtcga tattttactg aatttctaaa tattacaaga atagaatatt 27600 27660 cataggataa cctaagcttt tctgtgagtc agtgtactag gcagaaagtt cactaaagtg gtttatgatt tttgctactt atgagaaaac attaaaaatg aagccatgaa aaggaaatat 27720 27780 tggtgaaatt tagatacttc agaaggaaag agagactttc ttitttitt ggaaagaatt 27840 tctataccat ctattatatc attgattgta tgtgattatt gagaattaac ttgtttttt ttttttttttttttttt gagacagttt tgctcttgtc acccaggctg gagtgccgtg 27900 27960 gtgagatete ggeteactae aacetteace tecegagite aageaattet getgeeteag 28020 tctactgagt agctgggatt acaggtgccc atcaccacgc ccagctaatt tttctaattt 28080 tagtagagac gggatitcac catgitggte aggetggtet egaacteetg accteaggtg 28140 atccgcccgc ctaggccaaa gtgctgggat tacaggcgtg agtctcccac gcccagccct taaatttcat ttagactgga aatttcaagt aatggagagg tgtgttaagg aagttattgc 28200 28260 tctgttagag cagtttctta aatttggcac tattgacatt ttgggctgga tttttcttt 28320 tgtttctgag atagtttcac tctgtcgagc catcacagct cgttgcagcc ttgaactcct gggeteettg aacaggagge teetgeetga geeteetgag tagetgagae cataggeacg 28380 taccatatac ctagetaaat gtgtttttga etttetttt tetttgtaga gteaagttet 28440 28500 cactatgttg tccaggetgg tcttgaaatc ctgggttcca gcaattctcc tgcttagcct tacagagtgt cgggattgta ggcataggcc actgcacccg gccttgggct gatatttatt 28560 28620 tgctatgggg aactttcctg tgcgttgtag gatgtttggc aatgtccctg gccggccagg 28680 tgcagegget cacacetgta atcccagcae tttgggagge tgaggtggge ggatcaettg 28740 aggetgggag ttcagaagag accagccaac atggtgaaac cetgteteta etaaaaatac 28800 aaaaattagc cgggtgtggt gacacacatg agaatcactt gaactcagga ggctgagttt 28860 gccgtgagct gagatcgcgc tgctgtactc cagcctgggt gacaaagcaa gaatctgtct 28920 caaaaaaaa aaaaaaaaa aaaaaaattc gctggtctcc acctacgttt gtatccccac cccaagtcct gacaataaaa aatgtcttca aaatgttcct tgcaaaattg ctcattgagg 28980 29040 ctaactgagg tggctcacaa ctttaatccc agccctttgg aaggctgagg ctggcagatc 29100 acttaagccc aggtgactgg ccctggccaa cttggcaaaa ccctgtctct actaagaata caaaaaatag ccagacgtgg tggtgcacac ctgtaattcc agctactcgg gaggctgagg 29160 29220 cagcagaatc acttgaacct gggaggcgga ggttgcagtg agccgagatc gcaccactct actccagcct gattgacaga gtgagactcc atctcaaaaa aaaaagaaat tactctctga 29280 29340 gcaccagtgt gttacagtgt gcttagctgt ggtaccactt tggattcttt cacacagaa cagttaaggc cagttttaaa gctgtggggc catttctgaa ctgtattttg tttttttt 29400 tttggagatg aagtttcact cttgttgctc aggctggagt gcgatggtgt gatctcggct 29460 cacttgcaac etcegeetce caggttcaag caateteetg eettageete ttgagtagae 29520 29580 ttgattatgg gatcttggct cactgcaacc tctgcttccc aggttcaaac agttctgcct 29640 tageetgetg agtagetggg attacaggtg ecegecacca tgettggeta attttgtatt tttagtagag acggggtttc accatattgg ccaggctggt ctcgaactct tgaccttgtg 29700 atteacceae etetgeetee caaagtgetg gtattacagg catgagecae tgtgeetage 29760 29820

caatttttg	aatttttagt	agagatgggg	tttcatcatg	ttggccacgc	taateteaaa	29880
	caggegatee	accedenta	TCCTCCT > > >	~++ ~+ ~~~- <b>.</b>	<b>L</b>	29940
- 3	CCCAGCCCAC	actor of tar	アコアククアクロッチ			30000
-39-59-0	arggricted	uddaccraaa	2722770204	~~+~++-		30060
						30120
	caagcaagac	CULLULECTT	CTGGGGGGTGG	+~~~+~~		30120
	gaggeeacag	Cuducudi.ca	aaantttaa	30000000	,	
J		aatataaaa	TTACATACA	~+~~+	_ 1	30240
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	aaucaooada	210201103			30300
J J J T T J 9	~ - 9 9 - 4 4 -	Lucaciccaa	CCTGGGGGGGG	~~~~	_	30360
						30420
						30480
						30540
						30600
	~qcccaaaa	Caducilari	2222270220	~+ ~ ~ ~		30660
						30720
		utattorado	てびびコナナナコナ~			30780
						30840
						30900
						30960
						31020
cttgaatact	ttttaatggt	tatttatgaa	atactacata	aacttactt	ctgtgaggtg	31080
ttggatgtac	aaatagtgtt	gctacagttg	tccttttt	graattetgt	atttgtacat	31140
ggataaattc	ctgaaagtga	atttcagttt	tasatttasa	gratgretee	agtgttctta	31200
ctttaagcct	ttaagtctcc	tgatatgttt	totacticag	agaaacatgt	caaagttctt	31260
aaaatcctct	attagggctg	ggtgcagtgg	cyccycatty	cagcttggaa	aggttgaaat	31320
ttagctgatt	taactaattt	atcatocas	tageetg	taatccgagc	actttgggat	31380
aaccccagga	tacattctta	atcatgccac	rgccacetgt	atccacccaa	aatccacaaa	31440
tatatttgag	acagggctg	gcattaaaaa	aaaagttata	taaatatata	taattatata	31500
tatatctata	tatagtttgc	tctctgatac	ccagacgtgt	gcagtatctt	tcaaaaatca	31560
atggttacca	tagtaaact	cccttccttc	agtetttget	gcccctaata	tctgtcctta	31620
taggggaggg	atotcaccat	cttggaaatc	acceaggggg	aaaaaaatt	tgtgttggga	31680
aaacacctto	ttttctatct	aagtttttaa	tacttgataa	atgattgcca	acagaatcaa	31740
gcacttaaca	gatatacett	tttttcacca	tataatattc	ttgagaataa	tttcgtaaca	31800
gtttcacagt	atatoactot	atttttcaaa	gaaggctgtg	tagcattcta	ttttaaagtt	31860
						31920
						31980
						32040
						32100
						32160
						32220
						32280
tatcactcaa	attagratas	ttttatttat	ttatttattt	tttgagacag	agtcgcattc	32340
- 5 5	9944444	autuutacca	TCTTGGGtGa	0±00000	<u> </u>	32400
J		- Cuaucereec	addradetea	~~++~~~~		32460
	aacccaca	LLUAGTAGAG	ataaaaa+++	~~~~~~~~~~		32520
	Ccaaccicau	ULUATECEMEC	Caccttaggg	+		32580
	- GGCGGCGC	uuci caacat	ヘエアコナナベヤナナ	~-~		32640
						32700
		Caucei ecca	2012001201	~~ + ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	•	32760
- 5		LLLLITATAT	CC2C2Ctatt	~~+~+~		32820
	- quactuau	LUMBLECECCE	CCCT Caccta			32880
J J - J - W - W - C - C	a coaquetau	uccioi rera	TTTTTTTTT			32940
	- Lugiala Lici	LLUAATTACC	アクナナナクナナナナ	+-~+++	1	33000
33-3-4-6-6	Cacaacaaca	LULUUUUAATA	アアコアベナヤヘナモ			33060
		alaaraarra	T D C C T C T C C C			33120
						33180
	uuuuu	LUCCULAATAT	OT Bataraa			33240
						33300
	gggcccccau	ULLLLCIIII	FFFFFFASAS	+	- 1	33360
						33420
gergryac	cacagatgtg	caccaccatg	cccggctatt	tttttttgta	gcctcctgac tttttggtag	33480

agatggggtc tcgccatgtt gcccagtcca gtgctggatt ttcatatcaa aacagggctc 33540 atetgeateg gggtatatgt teacagetgg ateageaac tttetgtagt aaggtaggge 33600 ctggtagtaa atatgtagta tgctttgcag actgcatagg gtctctgtca tatgttcttt 33660 gtittetta cageettgaa caaattaaaa aacccagtet teageettgt etgtageata 33720 ataaagagga aattaaaagt gettatgtta taegtggtae atactaaaat ttattaagtg 33780 gcgactggca gtttaactaa ttgacattct cttgtgttag gttaatacag gggttggcgt 33840 actatggcct cagtccaaat gtggcccact ccatgttttt gtataggctg tgagctaagc 33900 attaagcatt aatttattac ttaaatcaac aaataaagtt tatgtggtgt acaacatgat 33960 gttttgatgt gtgtacatta tggaatggct aactcaagct aatattcatt acttcacata 34020 cttttttttg gtggtgagaa catttaaaat gtactcttaa taattttcag gtatacaata 34080 tttgtttttg ttttgtttt tgttttgaga cgaagtctcg ctcttgtccc caggctggag 34140 tgcagtggcg ctatcttggc tcactgcaac ctccgcctcc caggtacaag cgattctcct 34200 geeteageet eccaagtage tgggattaca ggegeetgte tecaegeeeg getagttatt 34260 gtatttttag taaagacagg gtttcaccat gttggccagg ctggtctcaa actcctgacc 34320 tcaggtgatc cgcctgcctc agcctcccaa agtgctggga ttacaggcgt gagccaccgc 34380 gcccggctac aatatgttct taattatagt cagcaataga tctcctgaac ttattcttcc 34440 cagegiette ceaateceae etceaecece tgetaataat taattitaaa tgaetgggga 34500 aaaaattgaa agaactgttt catgacactt gaacattata taaaattttc atgtcagtgt 34560 tcataaatac aaacttttat tagaacatag ccatactatt tatatattga aatacagttg 34620 aatttgtcat atgaccaatt tattagtatt gattaagatg ttgagcagtt tattcaagtg 34680 tggttttgtg gaatgaaaga gacaggaggg attatgagga ctctccttag caggattgat 34740 gcatttcact ttttttgaca ggaaggaaag tttaggttct attttctcag caactctact 34800 taactgcctc catctgaact atatatagga gggggtggat atcagcaaag attaacatca 34860 gtaaattttg atgaattctc taaaaattct gatttttaaa gagggaattt tggctgggca 34920 cagtggctca cacctgtaat cctaagcact ttgggaggcc aaggcaggtg gatcacctga 34980 ggtetggagt ttgagaccag cetggccaac atggtgaaac cetgteteta etaaaaacaa 35040 attagetgaa tgtggtggeg egeaeetgta gteeeagete ettgggagge tgaggtggga 35100 gaattgccta aacccaggag aggtggaggt tgcagtgagc cgagattgtg ccattgcact 35160 ccatcctggg tgacagagcg agactctcaa aaaaaaaggt gggtgtgaat tttgttatgt 35220 tgtgcgggct ggagtgtagt gcccatccat tggcacgatc atagagtact acagctccct 35280 aacteccaga etcaagtgat teteceteet etgteteec agtageagga actaeaggee 35340 tgtgccacca tgcccagctt tcttagtctt gagggactgc atttacacct atgcctttta 35400 ctctagggtc ttttattcat attgctagaa atttggagaa gaaagaaagg cataatctct 35460 35520 gcagaaaagc cattattct gcagatagtt cttttttt ttgagatgga gtctttcttt gtcacccagg ctggagtgca gtggtgtgat ctaggctcac tacaagctcc acctcctggg 35580 35640 ttcacgccat tetectgeet tagecteecg agtagtggga ctacaggcae ecgecaccat 35700 gcccagctaa ttttttttg tattttttag tagagacggg gtttcaccat cttagccagg 35760 atggtetega tettetgace ttgtgateeg cegacetegg ceacceaaag tgetgggatt 35820 acaggcatga gccaccacat ccggccaatt tctgcggata gttctaagct ttagttttga 35880 ccacgttggt tgcctatggc caattectgg attatttgca tgtttccaga cacagctatg tgaaagcagg gtttgtttta atagtgtttt gagcctttga ttccagttct gcttccactc 35940 36000 ttggtctata aggatcccta tggcagcaac agaatggccc agccctcatg attggttgct 36060 taaaaaggct ttaggatatt caaactgggt ggcctgtctt gtttggaata ggactaagca 36120 tgtcacactt tcaccatgga agagttaatc catattctat ctgtaagttg tatctccagt cattggtttt caacaagtgg tectatetta ggaggagtgg tatattagaa cagteettee 36180 agagtaattt ttttcattat ttcagatttt ttagttttt ttgtttgttt ttttttt 36240 titttttaaa ggctctcact ctgtcaccca ggctggagag cagtgatacg atcatagctc 36300 actggaacct ctacctccct gggctcaggt gatcctccca cctcagcctt ctgagtttct 36360 gggactacag gcatgaaccg tgaggcccag ctaatttttg tgattittgt gtitttgta 36420 gagtcagggt ttetecatgt tgeecagget ggtetegtae teetggtete aagtaacetg 36480 36540 cccgcctcgg ccttccaaag tgctgggatt agaggtgtga gccaccacac ctgtactact 36600 actitagtit gaacactata titaaatcta ataattcaga catggcccat ticatacttg 36660 acagaaagta tgagtcaaag actcaaatca ttcagattct cacatatgta aaacgtacgc 36720 ttggccgggt gcagtggctc acgcctgtaa tcccagcact ttgtgagacc aaggtgggcg 36780 gatcacctga ggtcaggagt tcaagaccag cctgaccaac atggagaaac cccgtctcta ctaaaaatac aaaattagct ggggtggtgg cacatgcctg taatcccagc tattcaggaa 36840 gctgaggcag gagaatcact tgaacccggg aggtggaggt tgtggtgagc tgagatcgcg 36900 ccattgcact ccagcetggg caaaaagage gaaactetgt etcaaaaaaa aaaaaaaag 36960 caggettata aaataaaaca aaaatgteee ttatgatttg tettaaaggt agttgaatta 37020 ataagageta aatetagtgt cecatacate tttgtgttte ttaetetace etttagaaag 37080 37140

gatagaaata	ascataasts					
tactc++++	gacgtggata	aggcacacag	ttaattcagg	gacggtggag	tcttggtact	37200
						37260
						37320
						37380
gatttaactc	caaatgtaaa	tgtactagaa	caaagcattc	tggggaagaa	aacagtggtt	37440
tattaacet	aactcacttt	tccaaaacag	tggcttttga	ttttctgtaa	acattgactt	37500
tcatcaagccc	ttcccttgct	actatatgca	ctctctattt	cttaaattgc	aaagagttat	37560
otttttaaa.	tgtgataaat	atttgaatct	aaggcaacgt	ttttggattc	tttataccac	37620
Cttagaaga	gcatgtgtac	atgtatgtga	tagctgttaa	cggaattcac	ttaaqtttta	37680
cctagaagee	tgggtagtag	aacctagaag	ttgcagtggg	aattttttt	taatttgaaa	37740
gaccadatag	gtaaaaagtc	atctttaatc	tctattaaac	ttttttgtat	aatotcagaa	37800
gryadagete	cccacatctg	cttacagcct	gtttgtatcc	ttcctgactt	gattgattaa	37860
acygacatet	ctatatacat	atgcatataa	tttcaatttt	tocttagtaa	Caaaaacaaa	37920
agctacacat	actggtgact	aatttgcttt	tttcacgtat	gtcatgaacc	attttccacc	37980
gragiteate	tagatctccc	tcaattcttt	ttaatggcta	catattccac	tattatoost	
graccatatt	tatacaaccg	gttccctatt	gatggacata	taattatata	tactatygat	38040
clagcattgt	gatagattag	agcctgtaat	gaatggtaag	gaagtaagta	cagccccccg	38100
ctactacttt	gaaggaaaaa aaaaacacto	gtagagaata	aacttccttt	gccatagtca	Cttactaat	38160
ggaatttaat	aaaaacactg	tcaaaagttg	ggaggaccaa	aattgatact	ttttctctca	38220
tetttttgcc	atgtgtatat	ctgaattctt	tgtttttaaa	gaagaagag	Cattonicida	38280
ttatttgggg	ggaaaaacac	acacacaaa	tccagcaact	Cagcattcat	carryaayca	38340
atactatacc	agtatgtgcc aacttccagc	tgtgcagtgg	aaqqaaaaca	attttaataa	gagtaactet	38400
tttagcttta	aacttccagc	aggttgatat	tctaatgaat	gataaatcaa	ggarraaaac	38460
taaatattct	tgtattgaca aactttccca	gtgcttttt	ttttaaatca	CCCtacctta	adadadattt	38520
ttttagttta	aactttccca	tttttcttta	aagaaaaaa	tctcaattta	atatetgtaa	38580
aaattagata	tcctaaggtt	gtattacttc	tgacttttat	taaaatataa	cagccaacaa	38640
gagatgttta	tgggccgact	ttgtcttttt	Cttcaaggg	CCaactton	acatttctta	38700
gttttatgca	tatgacagca tcatctattt	accgtccttt	tataaatata	tataganta	taattgctga	38760
tttaaaatgc	tcatctattt	catttttaaa	attatototo	tagasttata	atctagatac	38820
tgttaaacat	atgacatctg aatatatcct	tagtttattt	cactaatgta	egggattate	agtattttt	38880
tgatacagga	aatatatcct	ggacaattcc	agccatctct	ctatana	accatttgct	38940
tgtcagataa	ggaaggaaaa	ctacttcgca	actatacco	cigicacaaa	ttcatagcct	39000
aggttgcggg	aatccaaagg ttttagtttt	ataattcagt	atcatactca	gaacatagac	acgctggaac	39060
ctgtaattta	ttttagtttt	ataggaagat	atttcctata	graaacttca	gagtggtttt	39120
						39180
						39240
						39300
taatctttc	tggctgagtg	cagtagetca	ccgcagtige	atgcattcaa	ttattttaaa	39360
aggcgggcag	atcccatgaa tagaaatact	gccaagagtt	CGCCCCGCaac	cctagcactt	tgggaagccg	39420
ccaactctac	tagaaatact	aaaattagcc	cgagaacage	ttggccaaca	tggtgaaatc	39480
ctactcagga	ggctgaggca	Cdadaatcac	ttanach	gcaggcgcct	gtaatcccag	39540
ccaagattgc	accattgcgc aaagaaattc	tccacctcac	gagagetes	gagttggagg	ttgcagcgag	39600
aaaaaagaa	aaagaaattc	toaatacaa	gagacagiga	gactetgtca	aaaaaaaaa	39660
acatctttag	tttatgaaac	taaaagaagt	agragratta	gctgttaatg	aagaaatgtg	39720
tcagaaatgt	ttaaaacaag	tatcaacaca	ggatagttga	gatgtacagg	attcagagat	39780
						39840
agtgagctgt	tacagttttg	ttasssara	tocaactctg	caggatttta	gccctggagg	39900
ctcagagatt	gagaatcata	ttcattctat	tagetttaga	aggcatcatt	atattagtgt	39960
						40020
aaacaaaaac	agtatatcac aaaaatcctt	aaaacccgca	gratateta	aggtttaaaa	tcaaagttaa	40080
tgtggtgtatat	aaaaatcctt	Gaaatactte	aacatttgtg	atgttaaact	ttataacgtt	40140
ttaggttcct	tcaagaaaca	atottacttc	tttaataaag	catatatatg	ttgtttgttt	40200
						40260
						40320
						40380
acctttcaat	ttcaggaaga accttatata	aaatagttag	catttgggaa	ttttggtaaa	atacacgaga	40440
						40500
gtttttctcc	tctaagccga	acacaaaatg	tcagatcata	agcaagttgt	tgttgtagta	40560
taatctaaaa	ttcctctccc	crettgtgcc	rgtcagattt	ggaccttaaa	ttagttatgg	40620
ataaaaatta	ttatttcata	tatat	gccaaaaaat	ataggaaaat	ttggcagaaa	40680
ttaccasace	tccagaaata	totate	gcttagcaat	atatggaggt	aatcatotca	40740
yaaaya	ggaagaatag	Latattaaaa	tggagtcatt	ggtcgggtgc	agtggctcat	40800
				-	5 55	

gcttgtaatc	ccagcacttt	gggaggacga	aataaataa	+02++	tcagaagtga	
gaccagcctg	gccaacatgg	Caaaacccco	tctctcttaa	ccatttgagg	tcagaagtga attagcctgg	40860
catggtggca	tatgccttta	atctcagcto	cttaggagg	tanana	attagcctgg gaattatttg	40920
aactcgggag	gtggaggttg	tagtgagetg	. acatcatca	rgaggcagga	gaattatttg aggctgggca	40980
acagaacaag	actccatctc	aaataaataa	aatooacycc	ttttatt	aggctgggca caaatgtcta	41040
ttttttttg	aaaggatcaa	ttcccattta	atatatata	acceptating	caaatgtcta tttttcctct	41100
taatatatga	tggactcttc	aatgtcaagt	gtttttctac	acacattatg	tttttcctct taacaagagc	41160
atagtatttc	attgtttcat	agtatottaa	tasactacac	atagatatta	taacaagagc gttgctgttt	41220
atccatagct	tttctgtttt	attttttt	taataatta	accattgaca	gttgctgttt cttagaggta	41280
tggaaatgtt	gactatttct	aacttgggct	tactctttcc	gaaatgtatt	cttagaggta caaccaaaat	41340
ctgaaaatat	gtaggtagtt	cctcgatgtc	ctaggtggg	Coccetacct	caaccaaaat ccgcttgcta	41400
tcatgaaacc	agagattgtg	ttttttaata	aaaatttaco	agetgatgaa	ccgcttgcta catagagcca	41460
tgaagtatga	caaagatgaa	gttgacctcc	tcattottat	agaacagttt	catagagcca ctcaaagtaa	41520
gaccagtagc	actaattcca	agtaagttgg	tgatggtttt	tagageeeee	ctcaaagtaa ttctatatat	41580
aatgtcatgg	gttgtgggtc	tgtataatag	acactaataa	tottonet	ttctatatat gcttctgttt	41640
gaaagagtgg	tgaagagcta	attttagaaa	ttatttatt	atttatet	gcttctgttt tgagatggag	41700
tttccctctt	gttgcccagg	ctggagtgca	atcacatata	ttageteat	tgagatggag gcaacctccg	41760
cctcccgggt	tcaagcgatt	cttctacctc	accettetas	ctggctcact	gcaacctccg tcacaggcgt	41820
ccaccaacat	gcctggctag	tttttgtatt	tttactatac	gragerggga	tcacaggcgt accatgttgg	41880
ccaggctggt	ctcgaactcc	tcagctcagg	tratcorret	accgggtttc	accatgttgg tctaaagtgc	41940
tgggattaca	ggcatgagcc	cccataccta	gccagaaatt	gretetgeet	tctaaagtgc agtagagatg	42000
aggtcttgtt	gtgttgccca	ggctggattc	gaactcctcc	gatana	agtagagatg teeteetgee	42060
tcagcccctt	gagtagctag	gattacagge	accaccetgg	gorcaagtga	tectectgee	42120
tttaggtggc	attgttcatt	gagactggtg	aatctcacat	tttast	gaactgtttt	42180
tgtcaaaacg	caagtaatgt	tggtggctcg	tacctateet	ctcgatgggg	ggtggagggt tgggaggccg	42240
aggtaggtgg	atcgcttgag	ggcagcagtt	tgagaggagg	ctcagcactt	tgggaggccg	42300
ctgtctctac	taaaaataca	aaaattagct	gggcatage	ctggccaaca ctgtccaaca	tggtgaaacc	42360
ctacttggga	ggttggggca	tgagaatcgc	ttgaactcac	graceacat	gtagtcccag	42420
ccgagaatgt	gccactgcac	tccagcctgg	ataacaaaat	gaggcagagg	ttgcaatgag	42480
caaaaacaaa	cccagaagta	atgctaaact	Ctacttctaa	tttatatata-	ctcaaaaaat	42540
aaaggtagag	ttcaacttag	actttttggt	ggaatgtgtt	tttaatgigaa	aaattaagac	42600
catcaattaa	tttatgaaat	ggtcctttat	ccttatat++	tttgattag	caagggttag	42660
ttcaaattta	attgatttca	Catttaataa	attcaaatgt	atactttaca	gttttgatct	42720
cataccatgt	aagatggaat	ttgggggctc	agaatgattg	atagetegge	agaagtgtaa	42780
ccatgccata	acggtgatat	gtcgatatag ttattactc+	tttacccana	aggatatata	gragraacag	42840
ttcacataaa	atttaaatcc	ttattactct tagtttagaa	caggaaaatt	tctttatcat	cataaaagtg	42900
atactgtctg	tttcctcctc	tagtttagaa	tcagaggagg	agagagagag	atatattete	42960
Catcagatgt	gtcctttcat	aagtgaggga ccacatcagc	aagaggagag	gaaaaatatt	accidagetg	43020
ccagagaatt	gaattagacc	ccacatcage tcaattttgt	agtcaaggca	GCCadadtaa	adatecetag	43080
yaaacatgga	gtcaagctct	tcaattttgt	gtctatccca	tatctcgtgg	Ctttaggaa	43140
caactcagtc	ttacctaatt	agctgtgaaa atttaatata	ttctgttaaa	gtagaataca	agacanttt	43200
tancaatg	aaacatgaaa	atttaatata	caaatctctt	tattettaaa	ttactattet	43260
ct cttcata	tcaaaggcac	tctgcttaaa	agcttttctt	tttattt+++	acacacaca	43320
ctcctcccc	agctcaggct	agagtgcagt	ggtgcagttt	cagctcactg	Cagcettera	43380
Caccatagaga	caagcagtcc	ttccacttca	gcttcctgag	tagttaggac	Cagaggggga	43440
accatgott	ggcaaatttt	taaatttttt	tttgtagaaa	caggattcac	tttattagge	43500
ggetggtea	caaactcctg	gcctcaagtg	atccttcctc	ctctqcctct	Casaccatta	43560
gtaccacagg	catgagetae	catgcctggt	ccttaaaaac	ttttctttca	aaaactttct	43620
acastatat	argargret	gcaaagataa	ttaaaaaaag	aaacaggttt	ataatagggt	43680
teetteette	tatatgactt	tttccctccc	cccctcccct	ccctccctcc	cttccattta	43740
attettaatt	Cattcatcct	tccttctgtt	agtccttcct	tctqtccatc	etteccates	43800 43860
teetteette	cetteetteg	tecatectte	tgtctgtcct	tccttccatt	catctotcco	
addctddaa~	ccccaccct	ccctccctcc	ctcctatcct	ccctcctcc	ctcattgccc	43920
cctcccaact	ycaatggcat	gatetegget	cactgcagtc	tcccqtqttc	aaggagt+c+	43980 44040
ttagtagage	tagest	agaggcatgc	gctaccacac	gcccggctaa	ttttata+++	44100
gatccccc+~	cotco	ccatgttggt	cgggttggtc	ttgaactcct	gacctcacct	44100
Ctcacc++c+	ttatatata	ccatagtggt	gggattacag	gcgtgagcca	Ctatacccac	44160
atacacttca	ctacatcagg	agctacttaa	gtagaacatt	tatgtaccaa	gaactettet	44220
CCCCattctya	Cagacacatt	taatcctcac aatttgaggt	cacagtcttg	tggagaagta	Ctattatcat	44280
agggataacc	aggtastas	aatttgaggt	tcagagtggg	aaagtctqqq	aagattggtg	444400
Jagedace	ayyrgatagg	agcagaactt	gagcgtttta	taaaagacac	ttaactgccc	44460
						OO

atctgcttgc ttgatgaaat gtaatggctt ggttaagtat ttagtgcatg ggtcttttt 44520 gggaatttgg agctcaagcc cttgttggat ttttgcataa tgtatctgtt gtggttttat 44580 tagettaett ceteeteet ttttetaaet ettatttte accetatitt aggiteeata 44640 ccccatgaag tgcctcagat attaattaat agagaacctt tgcctcatct gcattttgat gtagagette ttggagaetg tgatgteata attaatgaat tgtgteatag gttaggtggt 44700 gaatatgcca aactttgctg taaccctgta aagctttcag aaattactga aaaacctcca 44760 44820 cgaacacaaa aagaattggc ttatttgtca gagttgccac ccacacctct tcatgtttca 44880 gaagactcaa gttcaccaga aagaacttca ccaccagatt cttcagtgat tgtcacactt 44940 ttagaccaag cagctaagag taatgatgat ttagatgtgt ctgaatcaaa aggttgtatg 45000 gaagaaaaac cacaggaagt acaaactict aggaatgtig aaagtattgc tgaacagatg gaaaatccgg atttgaagaa tgttggttct agtactgggg agaaaaatga aagaacttca 45060 45120 gtggctggaa cagtgagaaa atgctggcct aatagagtgg caaaggagca gattagtagg 45180 cggcttgatg gtaagaaagg cagtcggacc attttgaaag tataaatgtc ataacagtat 45240 ttccaaaaaa ttagctattt cggcaggtta atcgataggg tagctttatg tagttgattc 45300 tgtttagaga aactgtacag ttcgtaatca gaaaggtaaa tcttctggta tcttaacatg atatggagaa ggaagtgttt aatagtgctc tgtatgttgt gtttctctag gggatggaaa 45360 45420 aataagaatg ggttattagc tggcagaaat gatgacagat ttgagtgctt actgtaggtc 45480 agctgcttta catatgttac ctgattttaa tctgaggtag gaactattac tcttctcag 45540 gtgggaaaac tcaggaccat agaggttaaa tacctcatgc acagtaacta ctaagaagtg 45600 gaagaaccag attaaaatcc agtctattta tgcttagagc ctgccccctt aactactatg 45660 cggtgttgtc tcagatgtag aacacatctt tgttttctct gaggacttag aaaaaacacg cgtgattett etecactgaa tataggaata gtttetaece tgtttagaac atgeatagte 45720 45780 tttatcaata agtgttaact gacatgtgaa atcactttct actctttgga agccgatgtt 45840 ttaagtccaa gtagtctgta tggtggaaat tcctaactta tgttaaaaaa aagaaaacca 45900 ctgtaactta gctataacag tcttatataa cttagaactt taagtctcat tccatttacc 45960 atacttggcg aaaactgaca aattttagac aactgtattt gagtattcca gtcatttgct gtaaatacat tttagttcag ttgaataaac ctttggcctt tttcatatta ggcactgtgg 46020 46080 taagttatgg agacacagtg attaatgttg tgtataatta taaatgtgag tgatactcat 46140 taatactttg gtataggtgc tgctgaagaa caaagtactt tattattgtt ttgaacaaaa catcacacaa aaggtagatt tittitttt tttttttt ttttttt tttttttt 46200 46260 cactetgteg eccaggetgg agtgeagtgg cacgatetea geteactgea acctetgegt 46320 cccaggttca agagattete etgecteage ettetgagta getgaaatta caggeatgeg 46380 ccaccttgct cggctgattc ttgtattttt agtagagacg gggtttcgcc atgttggtca 46440 ggctggtete aaacteetga ecceatgate catecacete ggceteecaa agtgctggaa 46500 46560 acagaaggct ttctaaggag caaaatattt aacaataagt agggatttaa aaagagcaga 46620 cgtgttcaca ggggaaacta gaaaaagcat agagggatgc ttacgtttgc aaatcgtggc 46680 agaagtcaga aagtagaaaa attgctactg acttagatac acagttgtct ctagcgtata 46740 caaagtetae etatgeaeta agaettgeae tgggaaettt tettgaatgt cattttgaca 46800 gatgigtcaa acggacaatc tetttgecca ggaaacagag ttaaeetgga acagteattt 46860 ttttttaaat ttatttattt tttgagacgg agttttgctc ttgttgtcca ggctgaagta 46920 caatggtgtg atctcggttc acggcaacct ccgcctcccg ggttcaagcg attctcctgc 46980 ctcactctcc agagtagetg tagctgagac cacaggegea tgccctcatg ctcagctatt 47040 ttttttttt ttttttag tttttgtaga aacaaggict tgccacattg cccaggctga 47100 taccaaactc ctgggctcaa gcagtctgcc agccttggcc tcccaaagtg ctgggattac 47160 aggtgtaage cactgtgee tgeetgtggt gtettgggaa acteatgagt actatgtgte 47220 tgttgtaata gagggaaata agtggttttc acagtgattt gtagtggact gtgaaatttt 47280 agggattcag gtcagagttg tcacacaggt tgtagtcagg gtgagaactg ggtcatgatg 47340 cagtatgaaa aagttegaga gecaettigg agagaactig agataggeca cetaccagtg 47400 tggtaaccag gcttttgaga attcgtctgg gatacggtac aataaatact acatctatta 47460 tgtgtgaaga gatgttaagt tagggacata ctgtgaattc aaggatagaa aacttttcca 47520 tcagttttta gggatcctac tctttcactt aaaccccaaa tggccaagct aggattgatt 47580 tggtgtgctg tagaaagaac ttcattggta ttcatggatt cacattacat cttagaggag 47640 ttttcaaaag cgtcttagac tgtatgtgta tatacacaca cattctgaag cagtaggtgg 47700 gtcttggggc ctgagatctc gggtgaatgt aaatttaggt tcacaggtga tactgtagat 47760 tcacagtgtc tacagagtac actatgaatt tgtggtgact acattattga caaaatattt 47820 taggtttata atcagaaaaa agttaaaata gttaatgaag atgctttaaa agcctgtgta 47880 ctttagagaa gctacttaac acaaattggg tatctaatgt aggctgggct ggatacttca 47940 ttttcatcaa atcttttaa aataattggt gaaataacct ttattgaata tggttttcta 48000 catttttcac acttccctcc ttcatagggt tgtgaaaatt tatttcatat tctagatgag 48060 gaaattgagg cacagaggta cacttacaaa gatacaataa atggcagaac taagatttga 48120

acccannact	220t0t2++~		4.4.1			
ctcactctat	aagtgtattg	cttgtattta	tttaattaat	taatttttaa	gagacagggc	48180
acctactasa	tgcctaggct	ggcccttgaa	ctcctgggct	caagcagtcc	acctgcctca	48240
tagtagtatt	tagctgggac	tgcaggcaca	ccatgcctcc	cagttgtttt	taaacactaa	48300
agrayicii	tcataaggac	acttataata	aaggcagagc	tggaacccac	acttcattcc	48360
~gactgctca	gactuaqtta	ututtadaaa	actopagate	20244444	A	48420
gg-caa-ca	ucatcutt.	FEGCCACCAA	コナハベナナっつっト	+++		48480
cagactc	rgaayarqac	utcttateer	ctacttcttc	taaaaataaa		48540
33~~~~~	gagecaaut	LLagragaac	CCATAGAAAA	+~		48600
acautegg	ULLAYAAYAL	uaucctgarg	TTCCSCSCSC	~~~+~~~~		48660
2246634633	agacyattaa	uauucaarra	argaagetat	2+2+2+222		48720
	CLUCCCALCA	aacaaatcar	antataataa	++~+~~~~		48780
- addaddagc	artaudaact	LEAGCATOTO	2222102210	++++		
	CCAGGGGGG	ulaararrra	Taggttggts		3-1111	48840
	uccicatiat	Liciation	CTACAAACEC	2202042204		48900
	auggtattaa	ulalcetcaa	TCACCTCTT	atannanata		48960
aaaggttcat	ttgtatgata	aattcatato	totatatata	greadyacta	acttcttt	49020
tgagtttcaa	catttttaaa	attttcaaaa	aggastages	atttttttg	ttttgtctag	49080
gaacagctaa	tctagaccaa	agaatggtat	agccarcgga	atgttaaatt	aatgtaaagg	49140
tgaagtactc	aaaatctctt	agaatggtat	tttcacttt	ctttgtaaca	ttgaatggtt	49200
actogcattt	aaaatctgtt	tomanant	tttgattett	taacacaatt	atttttaaac	49260
gagtagaag	tccaaaactg	Lygcagetaa	ctttttaaaa	tctcaaatga	catgcagtgt	49320
gagaagaagg	augucaacaa	Laterronna	Caccactocc	++~+~++	1.1.1.	49380
	gecaayaatt	LCaddarrar	TOTATETACA	++	1	49440
3		UCAALOTCIA	Tattaaataa	****	•	49500
		LLCAUFFOCT	TTAMASSASH	++	_ 3	49560
						49620
-5	Cacaaqtatt	aaactuccaa	aatotoaata	+~~~~~		49680
	cucticiact	uuuuaaaaaa	アココナコナナナル	~~~+~~+~	A.L. 11	49740
- yayyayayca	acaggeeee	uattatacac	Ttccaaacta	2+22e2+~++		49800
goodgaaa	gracatute	CCCATTGGGA	acatttact.	++		
ag-ac-ca	- yyayatuaa	caldatdatd	Taacttotaa	+-~~~~		49860
Januarunger	a-aa-t-t	alculater	aaaaaacttaa	aat~aattaa		49920
	ayutudaaa	UCLECEAGEC	TTTCSSCSSC	++~~+-+		49980
		auaccarrer	Trancatore			50040
	ay-a	attacaaraa	2220000++4	22242424		50100
cataaaacac	ccagctagga	ccattactcc	Cadadaaaaa	adatataget	grecettatg	50160
	Laayatutee	Caarcroaat	ナナコナナナベベベト	~~~~		50220
tttagttttc	catttgcatg	atatttatat	getataget	acactaaaga	atgcagtata	50280
tgttttaaat	tatttttaca	atgazaga	ttttaagatg	atattttaaa	ttgaaaagtt	50340
ttttatotaa	tttactocca	tatattt	Tutteagete	tttttatatt	gtacatagtc	50400
aacttttgaa	tttactggca	acguilly	agactgttta	atgactggat	atcttccttc	50460
ttatcattta	atacaaaacc	agegeeeee	acttgtacac	tgttttaaag	tctattaaaa	50520
acagaatttg	actttttct	grtaacttac	attgtttaag	gtatataatt	tttaagtctt	50580
tcttcattta	tacagetteg	aatgetatag	tattagatgc	tttctttctc	atactacatt	50640
	guuududud	LLaulctcac	Cadaccadta	Ott.		50700
	Cayyeyatuc	alcaccacca	accatttcaa	~~~ ~~~~		50760
550cagaggc	Cigagoaaqi	adadcatoga	Gaaaaaaaaaa	adda adda et		50820
-5	cucqucaaau	uaccaunant	TTGGGGTTTA	200000	and the second s	50880
gacagegaaa	accoattiga	Lucaaaddct	agattaacta	2222+0+~++	at	50940
-55000000	agecegaaya	CLUCAGACCA	Carttootat	C220+++0+0		51000
gagaacccac	LLaayuuall	aaauutttta	ACCCCCCCCCC	+ = + + = = + = = =		51060
gegeacece	Laaaalulal	ulutaacttd	at caaat aca	~+~~~+~~-		51120
gowererg	ggaggcctac	acuducudac	Cacctraaget	0200000++		51120
- Jacourou cy	gogaaacccc	uttttacta	aaaaracaaa			51240
	grocoadota	LLLUGGAAAA	TOROGOTOGO	~~~ ~~~~~		51300
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	cagigageea	auallucucucc	actoractor	2000tact	~~~~~~	
	uuyaacaaaa	adulatarar	aarmaataaa	~~+++-~		51360
		aucaaacttt	CTAGGTAGAC	ot at act at a		51420
	LLactiquad	- ualualatic	TCSSSStstt	20222244		51480
acacgcac	aaattyaaya	autcadorad	TTMATACHER	+	A	51540
grgccaa	aayytatttu	ucaaaaccta	atttaactca	~~~~~		51600
-googaacca	Ciuuclaalu	Caucatorac	ナバナコナナナベへへ			51660
atgtcacato	gtttaattag	cattt++++	totactcac	cyattgtaat	accctaatta	51720
5			-y-ay-gyca	cacaaaatga	cggtggacct	51780

tcaatcaato	atattttaca	taataaaaa		4-1-1		
ctgtaatcta	gtgttttaca	aaaaatata	totatetete	tttgaaacac	aacttctgac	51840
aaagatctaa	gaaaggggtg	ggggagtatg	tatatgtatg	tacaccaaaa	cctctccccc	51900
aaaatootot	agccattcta	ggccttcage	tcaaactagg	atactagtag	aaagtacaga	51960
cacttgaaaa	aatgacctcc	ccaccitte	aagtgactgt	caaatgagac	tattaaaaac	52020
taatataaaa	cttttaaaaa	gcaagaatag	cctgagacct	cctagaaata	cagatttaat	52080
accadattta	tggggtttgt	t+acat	aaaaacgccc	ccaggcgatt	caaaagtata	52140
ttaacataca	agaaacaccc	ctagetggaa	aagaattgag	gagctctgtt	ttgatgactt	52200
CCCaaatttt	ctccttaggg	ctggcttaaa	aaaggaggtt	aacttacatt	agcctcaatt	52260
	acctagaaat	ucttcataaa	TTACCTAATE	tagaattast		52320
~gougageaq	ggagttatca	aaaradadtd	aattottoac	00000000		52380
acaaggcact	CLYGALGGEC	aaagtgcaaa	agaggttggg	asataasaas		52440
gaoaggaaca	Lettquetet	uttttadcad	CCTTACCATA	cactattaa.	**************************************	52500
occuarycca	Lattatattt	Luatteacad	Ctttactass	+ ~+ ~ ~+ ~ ~ ~ ~		52560
aagagcaacc	ryaraytada	aattgacccc	aatgaatggt	ccttaggaaa	2021	52620
uguuggctaa	CCGCGGGGG	CLAATTTACC	せつせつせつコペナナ	+++	1.1 1 1 1 1	52680
cualigatit	alliallit	atttttta	aacaaatctt	ant at at an a		52740
3-3-4g-ug-	goodcocaa	CLCaclocaa	COTCCCCCC	~~~~++~~-		52800
egeceagee	LUCUGAGLAG	ctdddadtac	aggratetac	Caccataca		52860
cegeaceee	aytayayaya	uadadddttt	Caatatatta	account act	A - 4 1	52920
ctagactcaa	uccalcide	caccicadec	ttccaaataa	+~~~~+		52980
accacgccca	goodatto	LUGEETEATT	ナククナナナナココナ	+~~~~~~		53040
-goog cocca	Luaalualuu	Ludacaardd	CTaataacet	~~~+~~~+~~	1	53100
gagocacaca	Cacactatut	allutacct	Tacaaataca	+ a+ a+ a a a a a		53160
Juguacuag	Cuadilidat	aatcatantc	CCTacaattt	2002224		53220
gergererga	LULACAAAGC	tcdadacttc	*******	++		53280
cagaaattt	Caalyglatt	ttaactttct	accatraatr	+00++~0+	A	53340
caccacage	CLYGAGLAAC	adddaddaaa	actccccaaa	++		53400
coccagatge	Latiblicity	ttaaaatatt	tattatta	201211		53460
gotatttat	adalladdil	сатаататас	aaaaattaat	20+2++		
gacacgcccc	Lyalludal	adttactacc	Traarraarta	matanaan-		53520
cacagg	cacycydaaa	Cactettara	MMMaamaa+a			53580
accuagging	ayaatattut	LLLAGEGETT	CTatctatac	22424+4+a	+	53640
a cag c c c c c c	aayilaalii	actuaaaaar	acaadtccac	22+000++0+		53700
gggcccaccc	geattituga	allocoaatr	Ctosaosatt	t+++	~~~~+	53760
gecatagece	Latttagtga	ataccataaa	taccttcaac	22++ 22 22+ 2		53820
geddaglyay	ayatyacaat	attettea	attttttaa	at+++a~a-+	* ~ ~ ~ ~	53880
gagactgtgg	acctctataa	attcatotao	geeteeeaa	accicagaac	rgcaggttaa	53940
gacccccc	gaaccatccc	LCLEETTGAA	aaattttaac	+ 0++ 0+ 0+ 00	~~~~~~	54000
aagtttaaat	attaaaacaa	taaatettta	ttaaacagtt	tteresere	gaaccactga	54060
atttaaaaaa	taaatatttg	cattatagga	Gaaagtgage	tetateggeat	tttaaaataa	54120
ttacaattta	atggcatgag	acaactaacc	atcaggagaga	toractgcat	caactcactt	54180
tcttaaattc	aaggaaatag	ctctaaagc	atcaycacca ctgcagcata	taaaactgtt	aagatttgtt	54240
cccagtgatt	ggtgctcata	ataccasta	tttettt	aataattttg	aaagctataa	54300
agagttcttc	cagtactasa	tattaataag	ttatatata	ttactggcaa	ctgtggagac catctatcag	54360
tatatcagga	ttcacaaaga	aaacaactaa	acettatatata	gacaatcccc	catctatcag	54420
ttaggtttgc	ttcacaaaga	ttattetae	aggicatgta	gratattccc	tatctgtgat	54480
taccttttt	acaaagacac	agartetage	aaaaaagaaa	agatagtgtt	tccaccatgc	54540
taaaagtetg	ttctttttat	agagicicag	agraagattt	aaatcataat	ttttaacctt	54600
attttattac	ttcaagttca	attacaacca	tagaaactgt	actggtatca	gaacataact	54660
acceaecae	aaaacttaac	accacttaca	aaatgaaaaa	ataatcaaat	gactattgca	54720
actcacagee	aaaggtttt	cactcaatga	ttgaagaaaa	attaagcaat	atttccatgc	54780
aatotattoa	tastacttee	gaaatatgca	aactcttaaa	attcatgtta	gtaaaacttt	54840
atacaataat	attactige	tatgtttatt	agaagatggt	caaaaaaaat	ccatggttct	54900
gracaataat	attaacadtt	EUTTCATTT	へんししょう	+++++~~~+		54960
cogcagacty	aacattctcc	aadtaadaat	tataataata	cototet		55020
Coaccaccac	aayaaaaaca	сааатастт	aatoottto			55080
~~cccaaaqc	Latattaaac	Luaaucctro	attotostos	2+2~a++~~	A	55140
gogcagaqcc		Latatttroo	aadatccaca	202++2222		55200
~~ccgggaga	Lacticities	Caccicciar	adactadata	2012011		55260
~~caagaaca	yyaatyttat	Cactacctor	Caaaaatact	~~~~~~~~~		55320
gecaaccacc	Ludadauaaa	aadatacadt	accaactaat	2++++		55380
cagagettea	ctttaacatc	tgctctaacg	tgttatctta	cttcctaatt	tgtggaagac	55440
			1			

aagttttttg agacacattc taattgctca tccacacaat atttttctt taaaagtata atcttaatac tggcacaaag gaagtgctta ataaatgttt gataagtgag tattttgcca 55500 ttgccaaaac attttgagag cccttttttg gaaaagccat tcagaactag ttgacaaacc 55560 aaatacaaaa tgcagttttg attatgattt ctttttctat ttgcttcgtt tctgttattt 55620 55680 tttttaaatc agaaatttat aatgggcagc caaaattcaa atcattcttt tttttttgag acgagtettg ctcagttgcc caggetggag tgcagtgtgc ggtcacagtc acagcagcct 55740 cgacctcctg ggctcaagca atcctctcta cctcagcttc tggagtagct gggagcacag 55800 tcaccaagec cagggetaat ttttatagag atgaggtttt gecatgttge ccaggeteaa 55860 atcactetta aagagtaatg attteteate ettatgacae acagaagaat ttgaccaaga 55920 ttctcggagg ttgccaaatc attcctggca aaagcaggag tatcaaagga aatgtcaccg 55980 atttggacac ataaattctg acaactttaa aaataagtca aatttcaatt agaatacaga 56040 ctttaacaga agaaagatac acaggcatca gttataaatg agggaactaa ggcctgaaaa 56100 agctttattt tatatagaaa ttgccaaagt tttagtcttg aagcaaaaag aaaaagaaaa 56160 agaaaatgaa gaccaaacag agaaaagagc aatacagttg gccctccgta tctgtgagct 56220 ctgtatecat ggattgaacc gactgcaaat cgaaaatatt ttcaaaaaat ggatgcttgt 56280 gactgtactg aatgtgtcaa ctgtttttct tgacattggt ccctcaacaa tacagtataa 56340 caactattta catagcattt acattgtatg aggtattaat aacatgtaca ttcatgtgtc 56400 acttaacgat gatgatatgt tctgagaaat gcatcattag gtgatttcat tctgtaaaca 56460 tcatatattt acacaaccta gacagtatat agtctactac acacctaggc tacatgatat 56520 agecetattg etectagget acaacetgt acageatgtt actgtactga attetgtagg 56580 taactgtaac ataacagtag gtatttgtgt atctaaacat agaaaaggta cagtagctgt 56640 attataatct tacaggacca ctatcgtata tatggtctgt cattcactga aaagtcatta 56700 tgtggcacat gactgtaatc tagagaagat ttaaagtata aggatatgtg taggttatat 56760 gcaaatacta tgccaattta tacaagaaac ttgagcatct actggatttg ggtatccttg 56820 gcagggaggt cttggaatca atcccccatg tatgccaaag gatgactata ctccagagat 56880 ctttttagaa atctaaaagg aattctacaa tcctagttta ttgtaaccac agtttattgt 56940 aactataaca tagctatagt ttgctttcat ttccaagtta gcttccattt tacttcatag 57000 aatgaatcaa tgctattttg aaggcaaact gaatttagcc tttgaaataa gaaaatacat 57060 gtactgaaga gtgcagatag ttctgtttca aaaaaattac ttgaagatta aaacagggct 57120 ttggaataat actataatta gattccagtc tcataaagta tacaactagt tagaaatact 57180 tacacagaaa ctgtttcttc ttttccaatg gtaattcgtg aaatacttcc caaaaaattt 57240 ttatcgtagg atgttctgcc caatattccc ctttgtattc tgtattctaa aaacaacata 57300 57360 atctttatt agtattaagg gacacatgg ctaatatatt agcacataaa gctaacatgg 57420 tccagtagtt tgcaacttgt gcaattcaat ggattgccca ctgttttctg gacatttaca 57480 atttgaaget attagtteea ggagaaaaag aagaaataeg taagaateae cagaaatett tectageact teaaagaaca tgataggate atactateat etteaaaagt aaataaagag 57540 57600 aaactagata aaataatgtt ataggaccat caaaagtctg acatggaatt atctgtgata 57660 atcagaaaat tccctttctc tgtattcatg aacagaagtc aaaccattac aatttatctc tccttttaaa aatatggtac taagcaacac taaaaatttt ctgaggtagt ttccaagatg 57720 gccaccagtg agcactgcct cctggtattc atgcccgtgt gtataaggat actgtgaata 57780 tgaggaatgt atgacttctg agactaaatc ataaaaaaa aaacctctat ggcttcagcc 57840 57900 cttcttctgg atcactcact ctgggggaaa ccagttgtca tttcatgagg atattcaaac atccctatat ggagagaagt actcatggtg ctatactgag gcctcctgcc aacagtcatg 57960 tgagtaagce accitggaag tgaatcicta teettaatea tgettttaga tgeetatage 58020 accagccaat attetgactg caactteatg agggaaccet gageccaaae tacteageta 58080 agccactcct gaattectga cccacagaaa ctatgaaaca agagtttcat tgttattttg 58140 58200 aagccaataa gttttggggt aatttgctgc aataggacta aaatatctcc cctgtcaaaa atattagtac tggccgggcg cggtggctca cgcctataat cccagcactt tgggtgtcca 58260 58320 agccgggcag atcacttgag gtcaggagtt ccagaccagc ctggccaaca tggtgaaacc ccatctctac tgaaaataca aaaattagct gggcatggtg gcaggcgcct gtaatcccgg 58380 ctacttgggg gaggctaagg caggagaatc gcttgaactt gggagacgga ggttgtagtg 58440 agccaagact gtgccattgc actccagcct ggtcaacaag agcgaaactc catctcaata 58500 58560 taggaagtag agaggaaata gtttatactg tgaactgttc ttatccagcc gcagttggct 58620 ttaactitca gitcitcaga igcgtcaggi cctttggaca tactgttccc icagcciaca 58680 ccactcagac acatcettic ticittggic atcaggetaa ttttiacect tttagggete 58740 agattaaatg ccatctaatt cattcattga ttcatccaac aaatatataa tgagttttag 58800 58860 tcaatgtttt gggccctggg aaaacctcag tgaacagaat cctcacttac cttgtggagc tcaccgtcta gtaagaggeg ttcccagatt catctagect agatcagget cetecttacg 58920 caccattcac taaactcttt ttcactgtat taattaaaac tgtgtattaa acatttaatt 58980 tetagetete ttattaggge aaagaccatg tetetatett attteetgee etetetteaa 59040

		gtacattatc				59160
		ttggactttc				59220
		atatgcaaaa				59280
		catggaattt				59340
		gaatgaaaag				59400
		aatgtgcaca				59460
		aattgtaatg				59520
		atatatatat				59580
		ttttagatag				59640
gtggcacgat	cttggctcac	tgcaacctct	gcctcccagg	ttcaagcgat	tctcctgcct	59700
		attacaggcc				59760
		tcactatgtt				59820
		cccaaagtgc				59880
		aagatgtcct				59940
atcacttcag	gcaaggtttc	aagtacttac	tgagtgctct	cctaggtgct	gggaatacag	60000
C						60001